

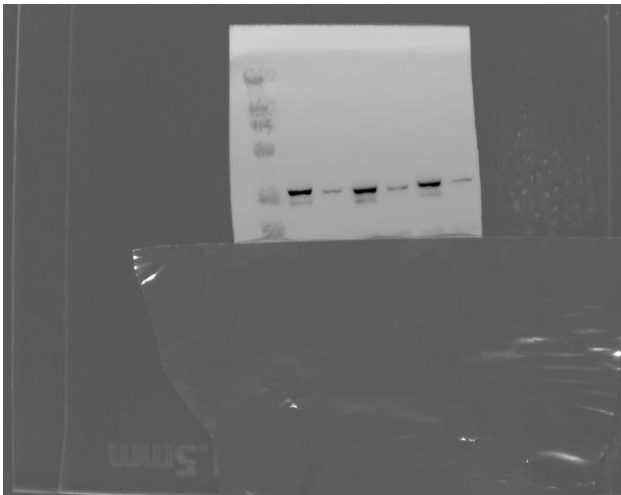
Uncropped Western Blot images

Bands shown in the main text and supplementary materials and used for the Band OD quantification

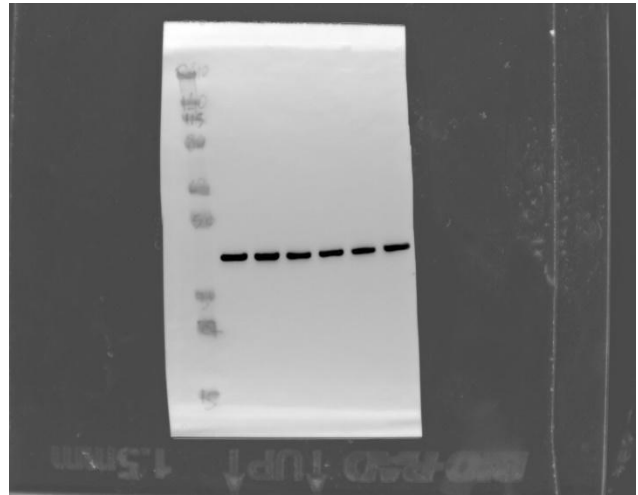
Images shown in Figure 2B

1°-2°-3° replicates. First lane: marker (Abm- Protein Ultra #G623); second, fourth, and sixth lanes: mDAs pHc; third, fifth, and seventh lanes: mDAs pPD.

TH- 60 kDa



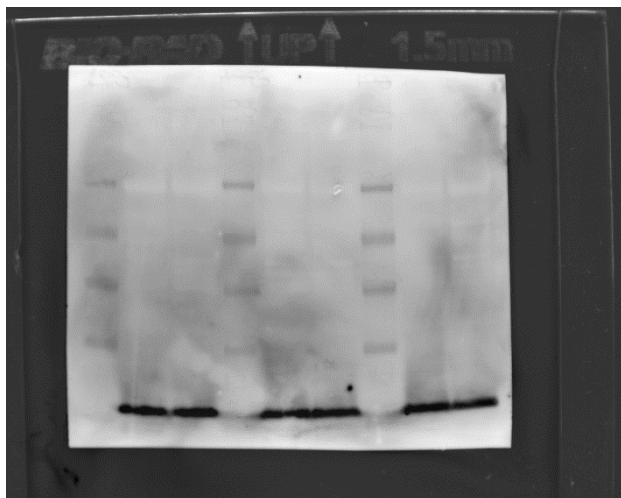
GAPDH- 36 kDa



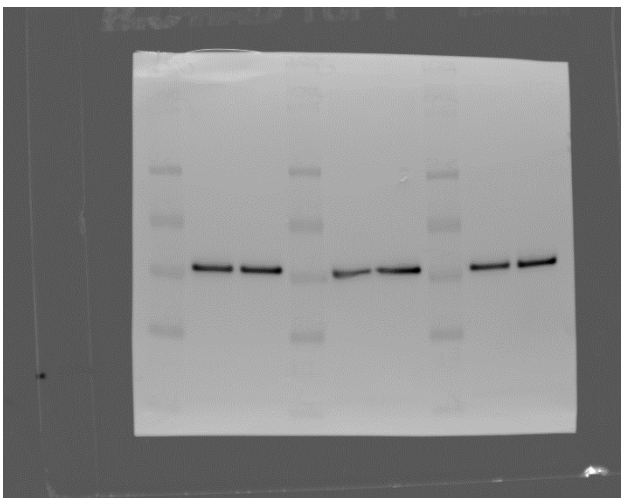
Images shown in Figure 3C

1°-2°-3° replicate. First, fourth, and seventh lanes: marker (SeeBlue Plus2 #LC5925); second, fifth, and eighth lanes: mDAs pHc; third, sixth, and ninth lanes: mDAs pPD.

α -synuclein - 14 kDa



GAPDH - 36 kDa

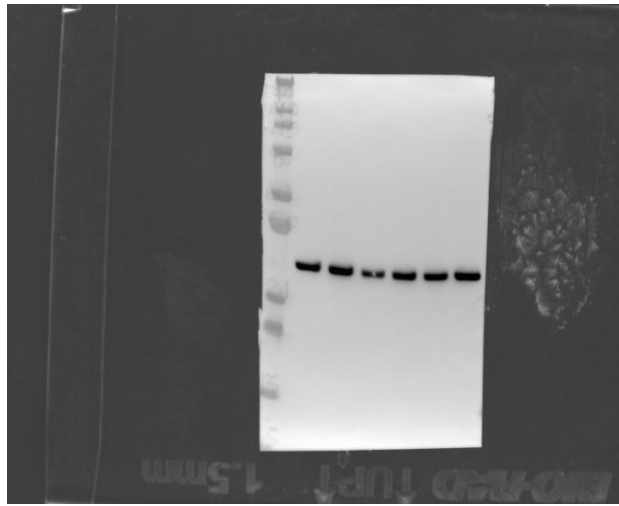
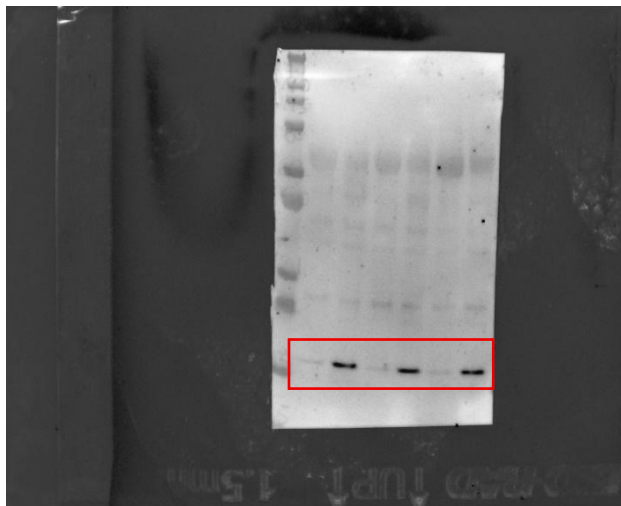


Images shown in Figure 3G

1°-2°-3° replicates. First lane: marker (Abm- Protein Ultra #G623); second, fourth, and sixth lanes: mDAs pHc; third, fifth, and seventh lanes: mDAs pPD.

pS129 α -synuclein – 14 kDa

GAPDH – 36 kDa

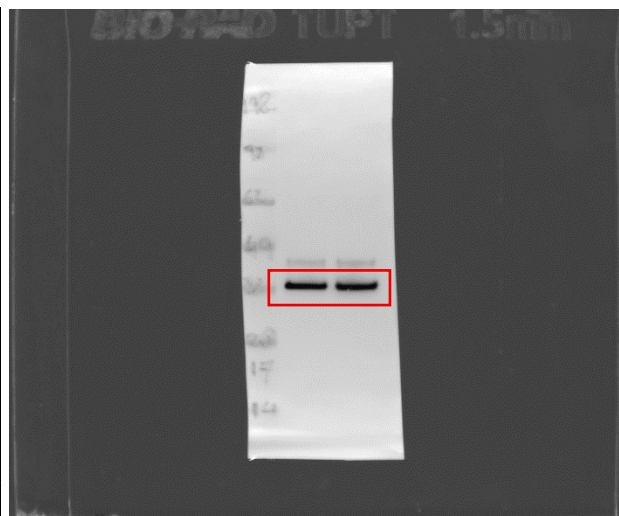
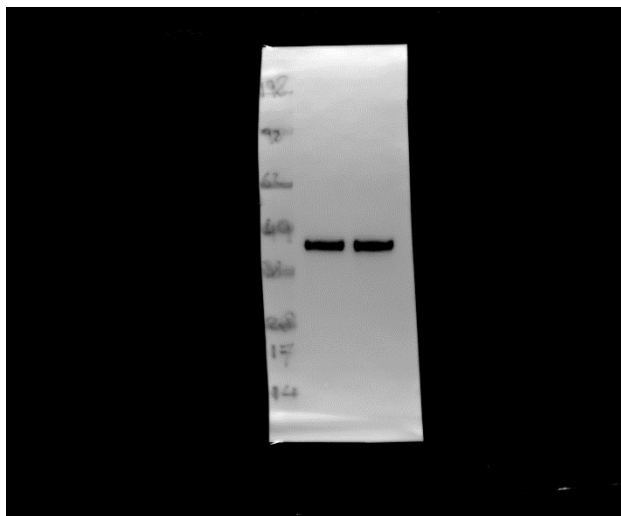


Images shown in Figure 4H

1° replicate. First lane: marker (SeeBlue Plus2 #LC5925), second lane: mDAs pHc, third lane: mDAs pPD

CREB - 44kDa

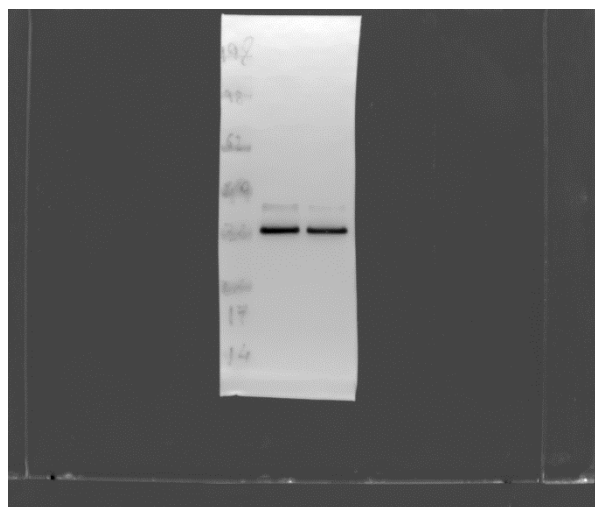
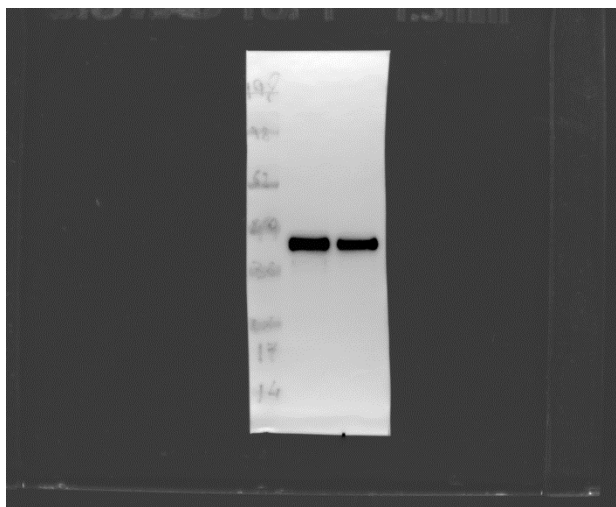
GAPDH – 36kDa



2° replicate. First lane: marker (SeeBlue Plus2 #LC5925), second lane: mDAs pHC, third lane: mDAs pPD.

CREB -44kDa

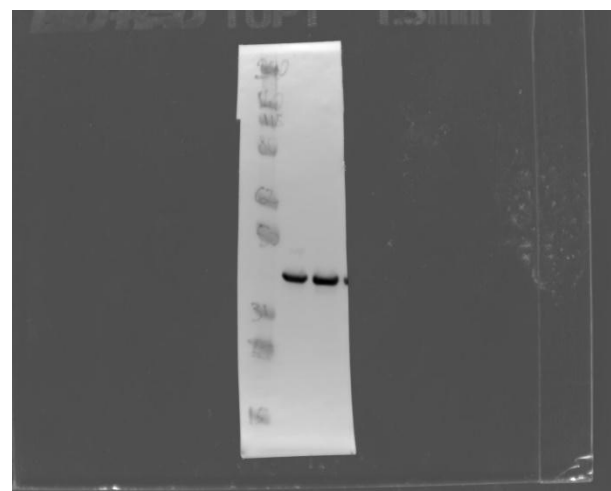
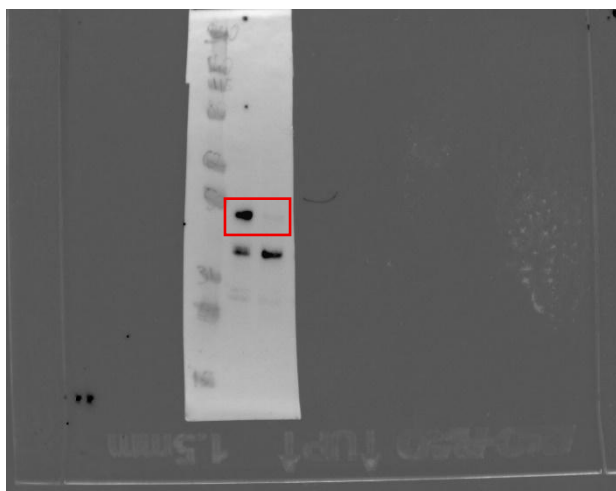
GAPDH – 36kDa



1° replicate. First lane: marker (SeeBlue Plus2 #LC5925), second lane: mDAs pHC, third lane: mDAs pPD

p-CREB (Ser133) – 44kDa

GAPDH - 36 kDa

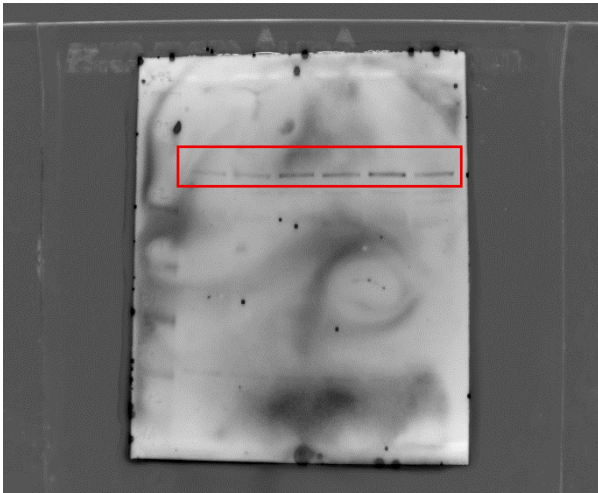


1°-2° replicate. First, fourth: marker (SeeBlue Plus2 #LC5925); second, fifth: mDAs pHC; third, sixth lanes: mDAs pPD.

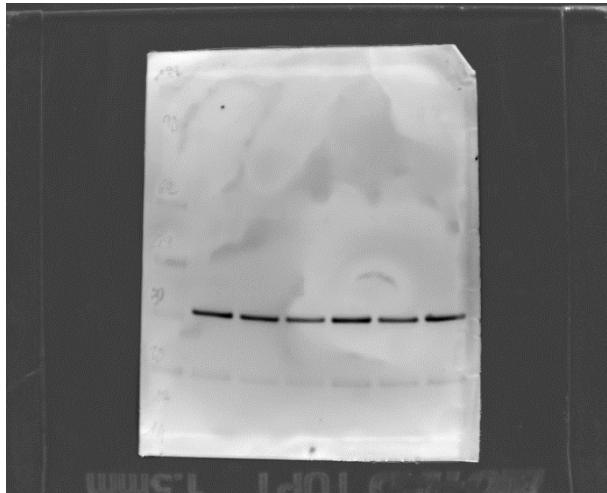
Images shown in Figure 5D

1°-2°-3° replicates. First lane: marker (SeeBlue Plus2 #LC5925), second, fourth, and sixth lanes: mDAs pHc; third, fifth, and seventh lanes: mDAs pPD

PSD95 – 95 kDa



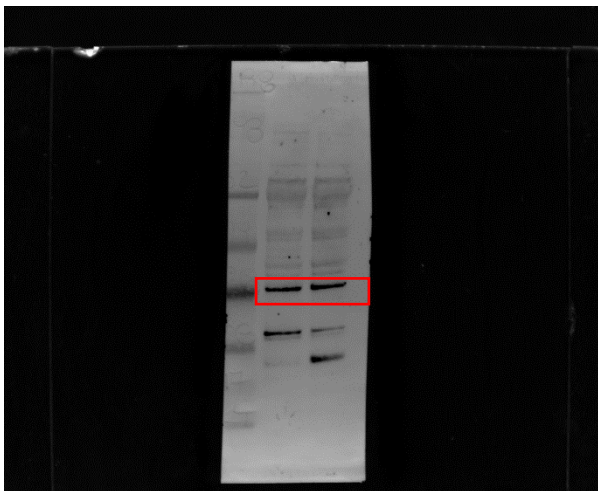
GAPDH – 95 kDa



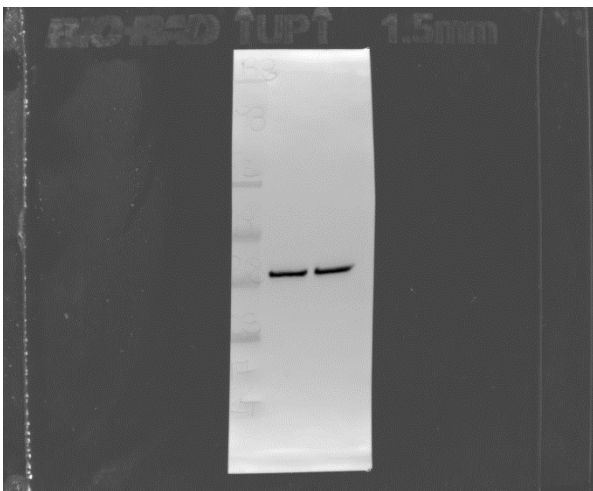
Images shown in Figure 6B

1° replicate. First lane: marker (SeeBlue Plus2 #LC5925), second lane: mDAs pHc, third lane: mDAs pPD

FASL – 40 kDa

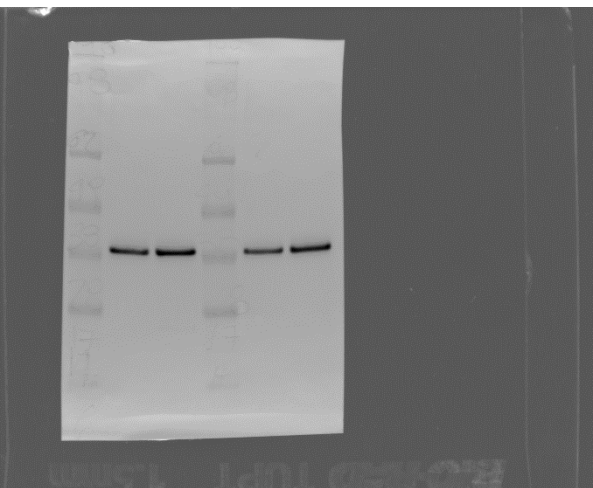
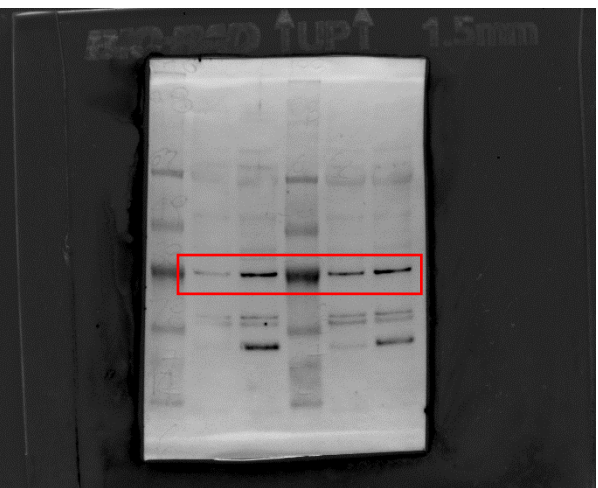


GAPDH – 36 kDa



2°-3° replicate. First, fourth: marker (SeeBlue Plus2 #LC5925); second, fifth: mDAs pHc; third, sixth lanes: mDAs pPD.

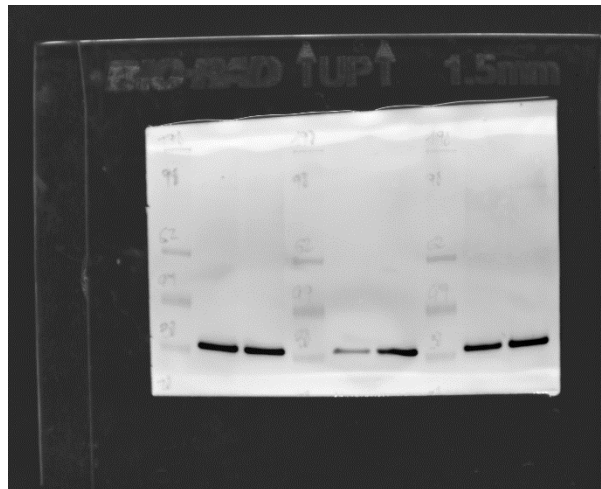
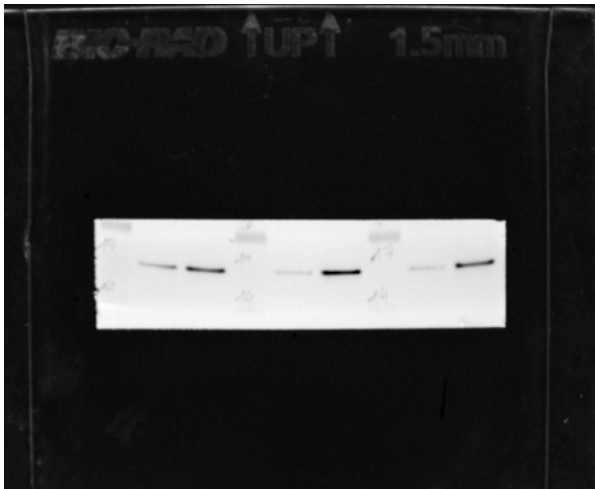
FASL – 40 kDa



1°-2°-3° replicate. First, fourth, and seventh lanes: marker (SeeBlue Plus2 #LC5925); second, fifth, and eighth lanes: mDAs pHc; third, sixth, and ninth lanes: mDAs pPD.

BAX – 20 kDa

GAPDH – 36 kDa

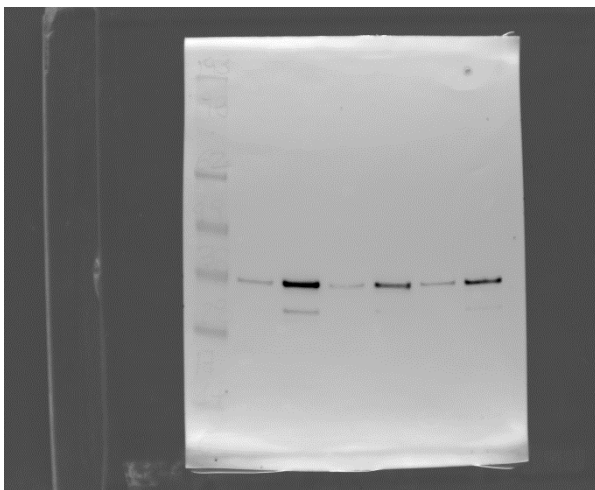


Images shown in Figure 6D

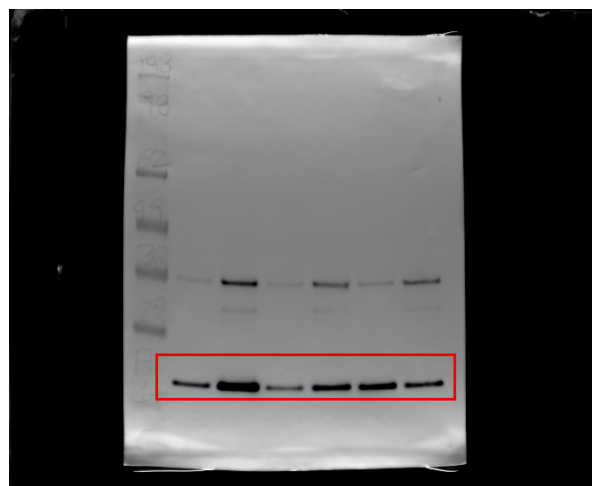
1°-2°-3° replicates. First lane: marker (SeeBlue Plus2 #LC5925), second, fourth, and sixth lanes: mDAs pHc; third, fifth, and seventh lanes: mDAs pPD

Caspase 7 – 35 kDa

Cleaved Caspase 7 – 20 kDa

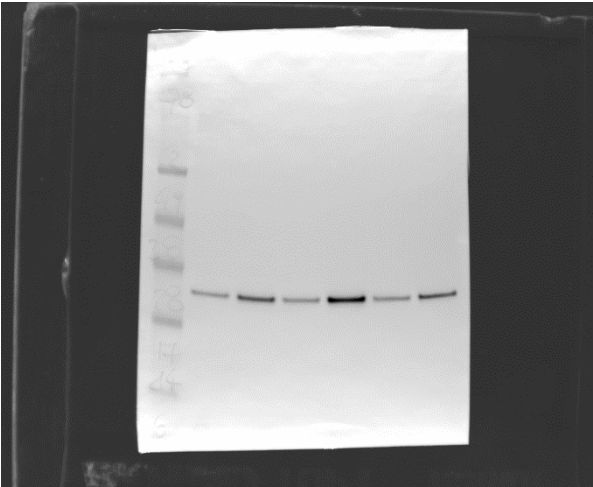


H3 Histone - 17 kDa

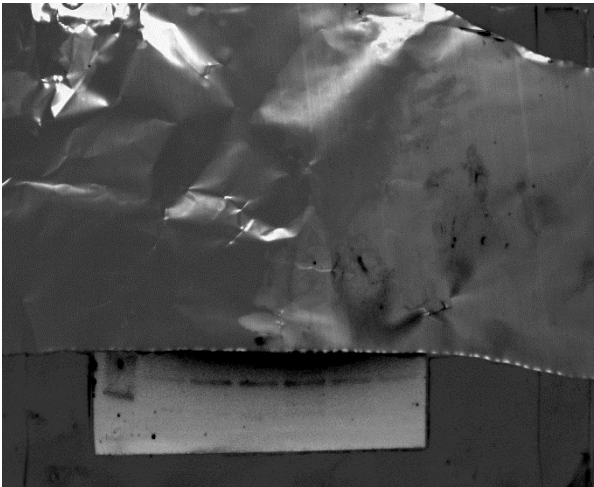


1°-2°-3° replicates. First lane: marker (SeeBlue Plus2 #LC5925), second, fourth, and sixth lanes: mDAs pHc; third, fifth, and seventh lanes: mDAs pPD

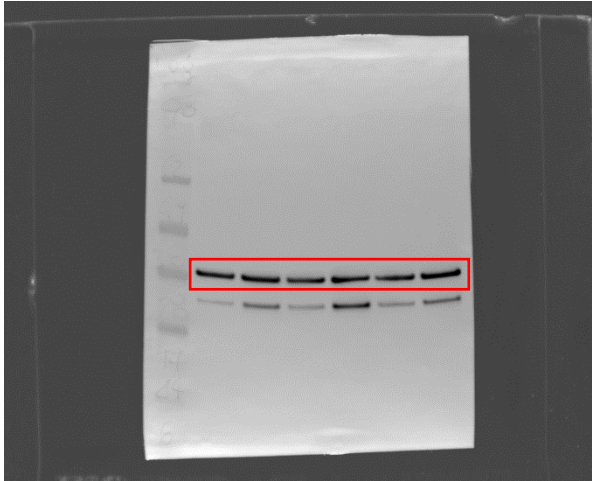
Caspase 3 – 32 kDa



Cleaved Caspase 3 – 20 kDa



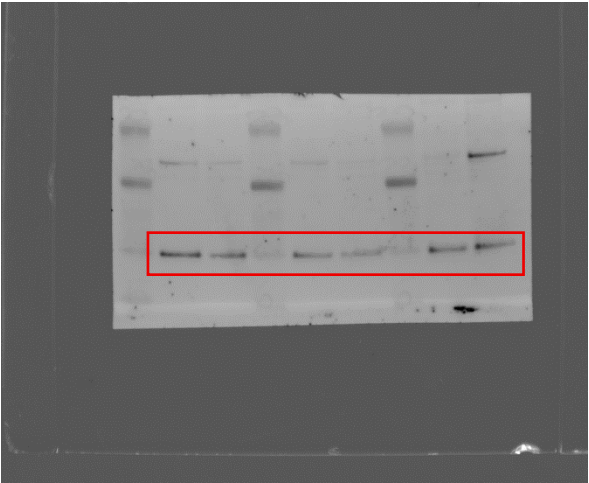
GAPDH – 36 kDa



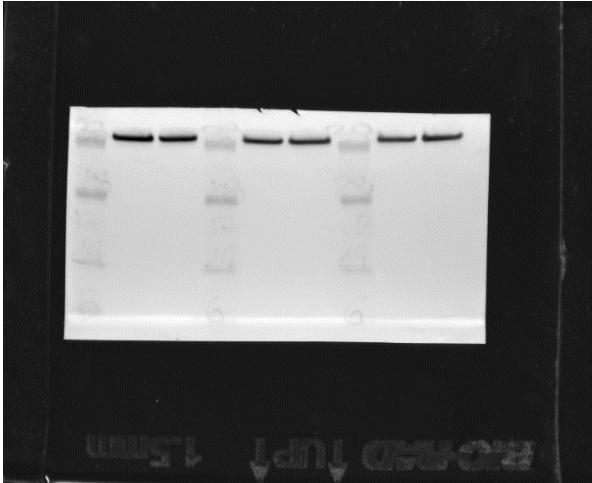
Images shown in Figure 6H

1°-2°-3° replicate. First, fourth, and seventh lanes: marker (SeeBlue Plus2 #LC5925); second, fifth, and eighth lanes: mDAs pHc; third, sixth, and ninth lanes: mDAs pPD.

mature BDNF – 14kDa;



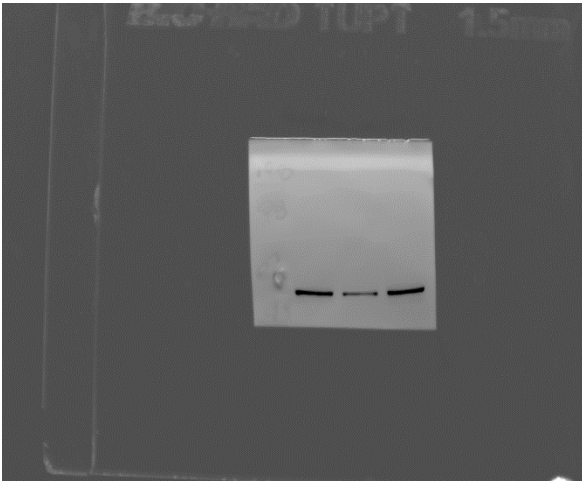
GAPDH – 36 kDa



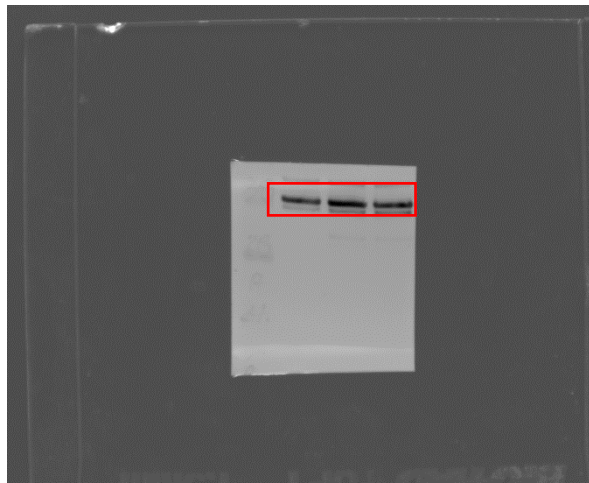
Images shown in Figure 7A

1° replicate. First lane: marker (SeeBlue Plus2 #LC5925), second lane: mDAs pHC (1 μ M DMSO), third lane: mDAs pPD (1 μ M DMSO), fourth lane: mDAs pPD (1 μ M QVD-OPh).

TH – 60 kDa

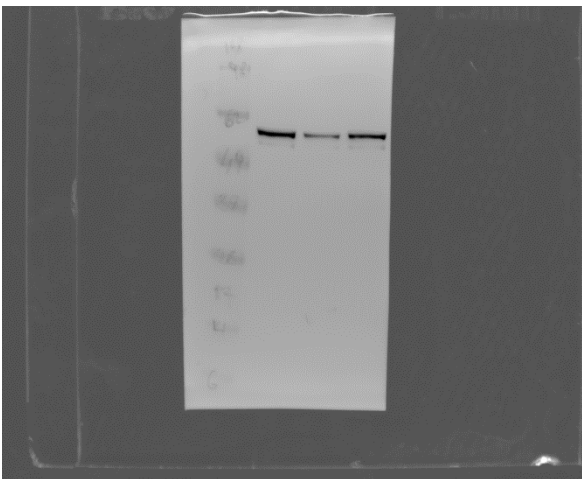


GAPDH – 36 kDa

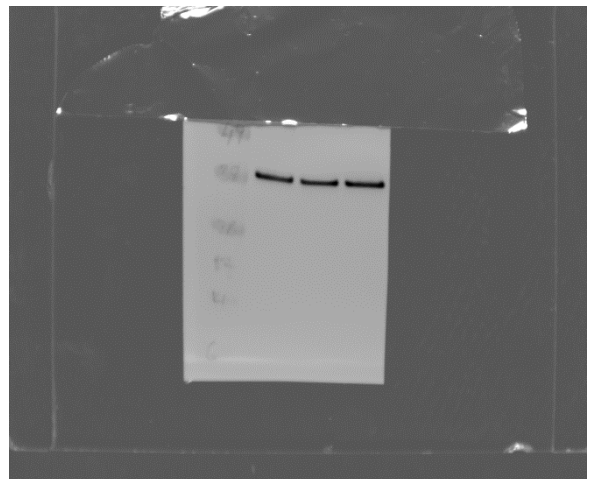


2° replicate. First lane: marker (SeeBlue Plus2 #LC5925), second lane: mDAs pHC (1 μ M DMSO), third lane: mDAs pPD (1 μ M DMSO), fourth lane: mDAs pPD (1 μ M QVD-OPh).

TH – 60 kDa



GAPDH – 36 kDa

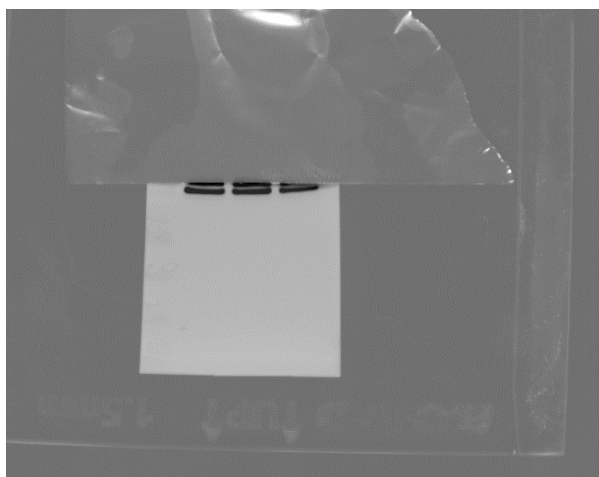


1° replicate. First lane: marker (SeeBlue Plus2 #LC5925), second lane: mDAs pHC (1 μ M DMSO), third lane: mDAs pPD (1 μ M DMSO), fourth lane: mDAs pPD (1 μ M QVD-OPh).

NURR1 – 66 kDa



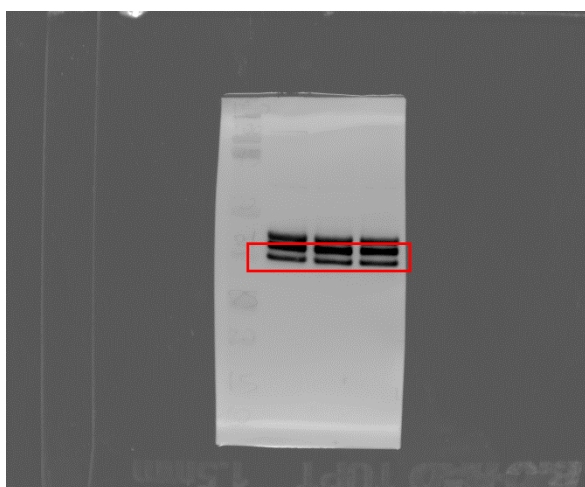
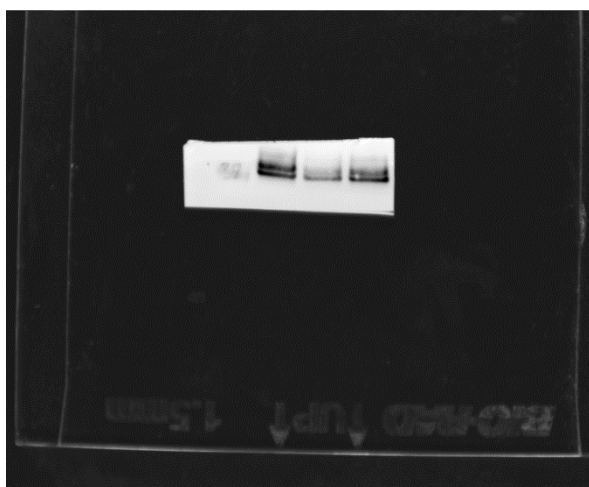
GAPDH – 36 kDa



2° replicate. First lane: marker (SeeBlue Plus2 #LC5925), second lane: mDAs pHC (1 μ M DMSO), third lane: mDAs pPD (1 μ M DMSO), fourth lane: mDAs pPD (1 μ M QVD-OPh).

NURR1 – 66 kDa

GAPDH – 36 kDa

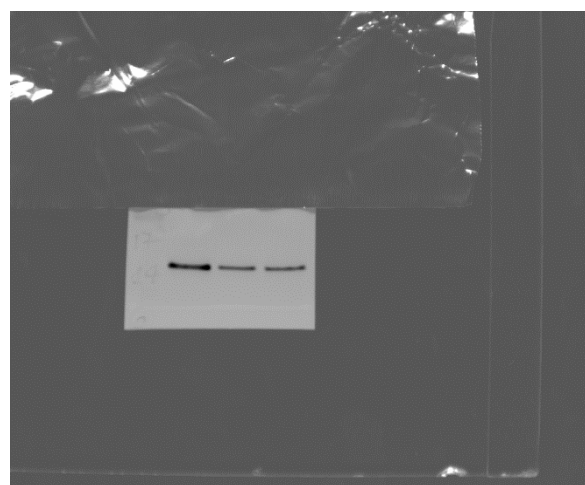
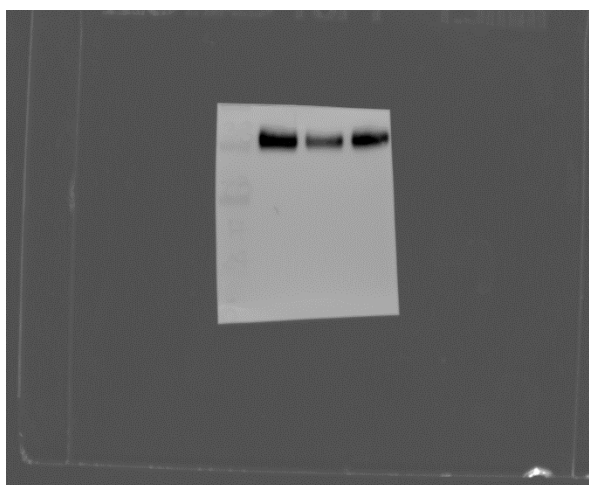


Images shown in Figure 7D

1° replicate. First lane: marker (SeeBlue Plus2 #LC5925), second lane: mDAs pHC (1 μ M DMSO), third lane: mDAs pPD (1 μ M DMSO), fourth lane: mDAs pPD (1 μ M QVD-OPh).

Synaptophysin - 38 kDa

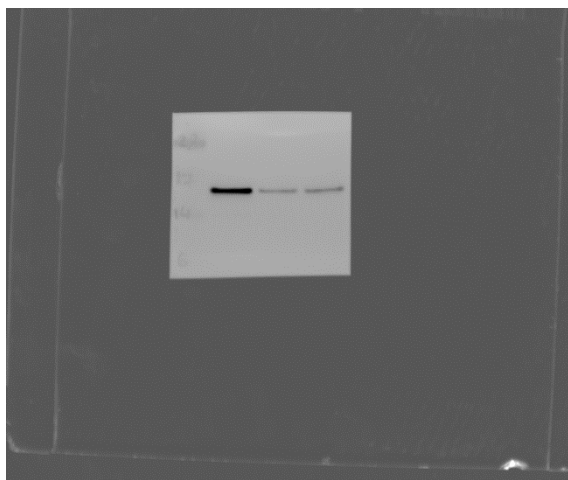
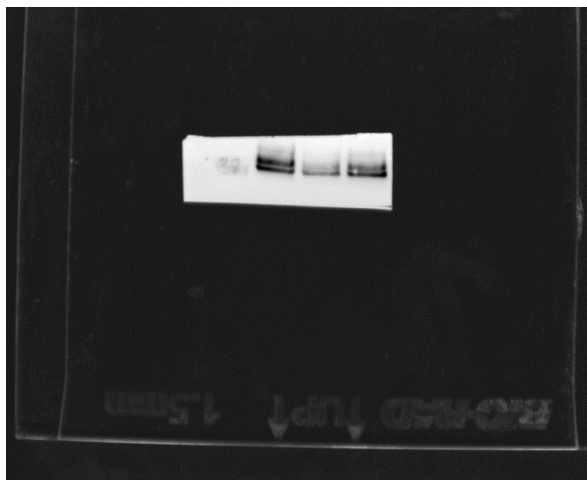
H3 Histone - 17 kDa



2° replicate. First lane: marker (SeeBlue Plus2 #LC5925), second lane: mDAs pHc (1 μ M DMSO), third lane: mDAs pPD (1 μ M DMSO), fourth lane: mDAs pPD (1 μ M QVD-OPh).

Synaptophysin - 38 kD

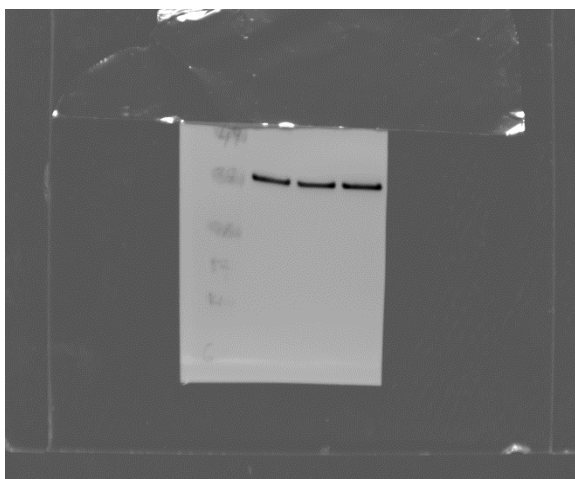
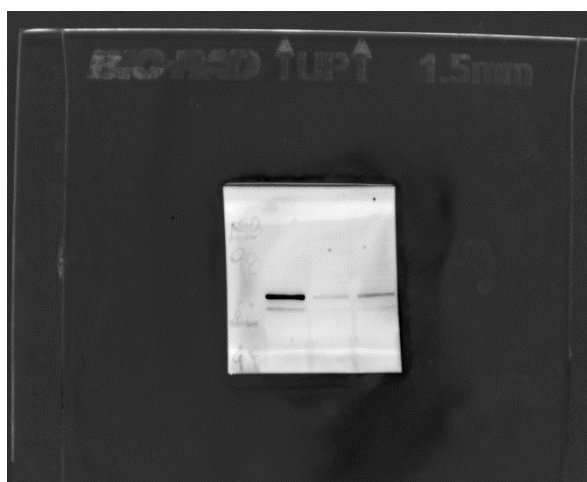
H3 Histone - 17 kDa



1° replicate. First lane: marker (SeeBlue Plus2 #LC5925), second lane: mDAs pHc (1 μ M DMSO), third lane: mDAs pPD (1 μ M DMSO), fourth lane: mDAs pPD (1 μ M QVD-OPh).

PSD95 – 80 kDa

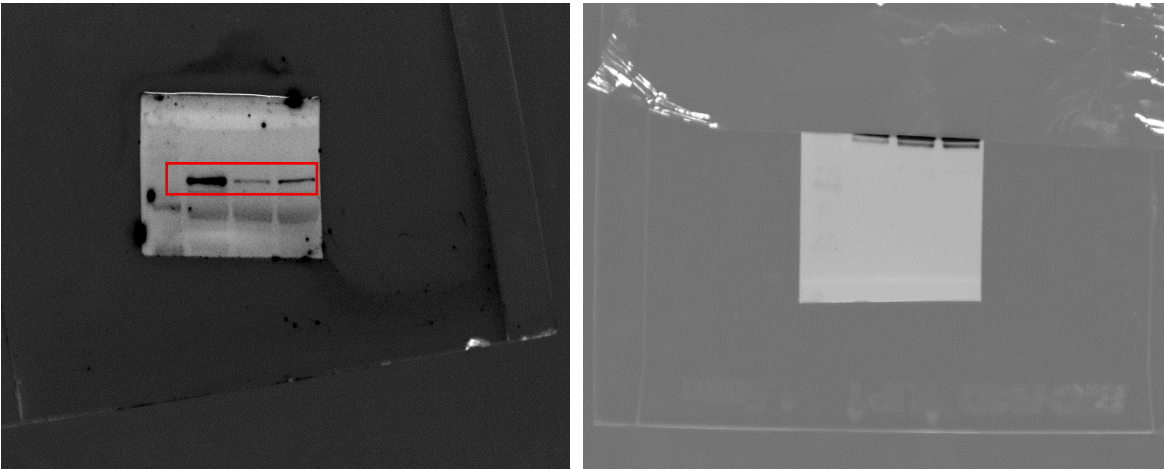
GAPDH – 36 kDa



2° replicate. First lane: marker (SeeBlue Plus2 #LC5925), second lane: mDAs pHc (1µM DMSO), third lane: mDAs pPD (1µM DMSO), fourth lane: mDAs pPD (1µM QVD-OPh).

PSD95 – 80 kDa

GAPDH – 36 kDa

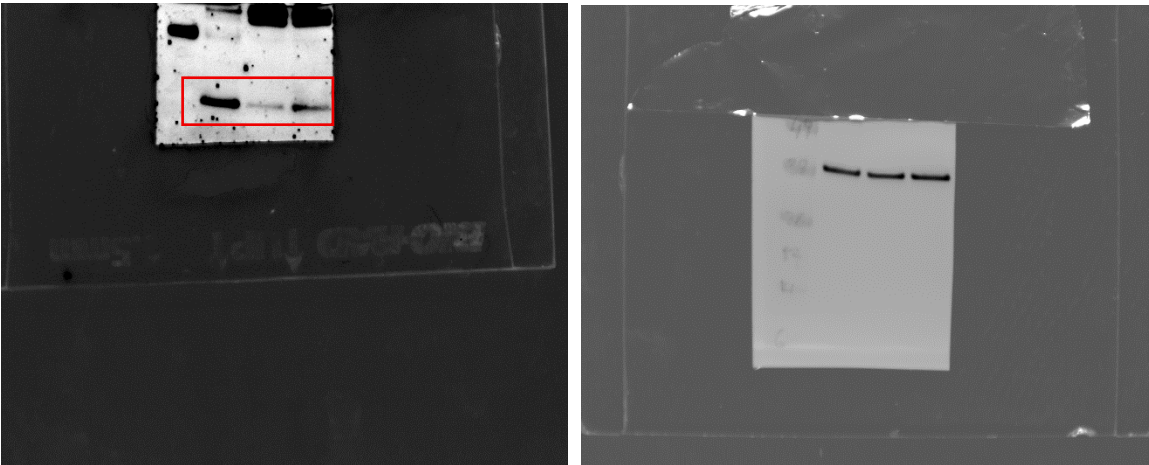


Images shown in Figure 7I

1° replicate. First lane: marker (SeeBlue Plus2 #LC5925), second lane: mDAs pHc (1µM DMSO), third lane: mDAs pPD (1µM DMSO), fourth lane: mDAs pPD (1µM QVD-OPh).

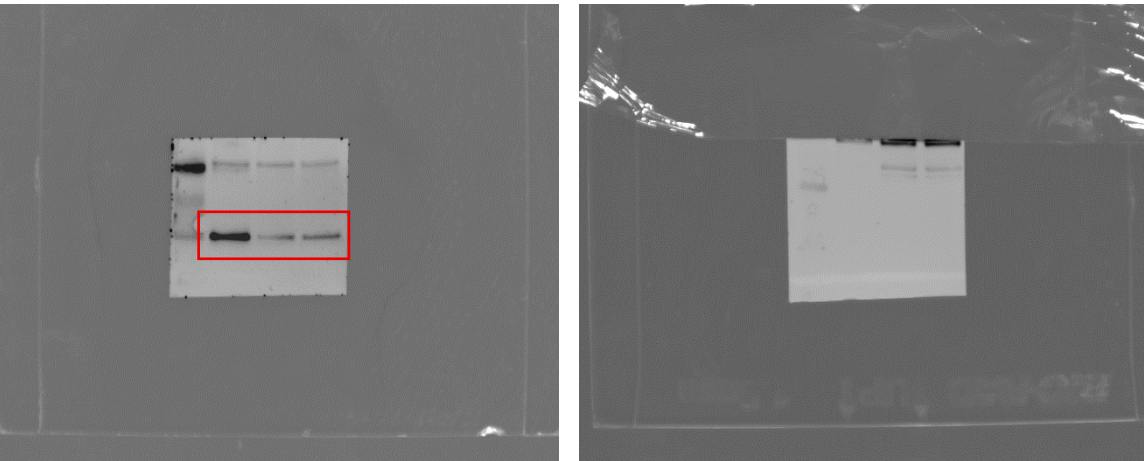
mature BDNF – 14kDa;

GAPDH – 36 kDa



2° replicate. First lane: marker (SeeBlue Plus2 #LC5925), second lane: mDAs pHc (1µM DMSO), third lane: mDAs pPD (1µM DMSO), fourth lane: mDAs pPD (1µM QVD-OPh).

mature BDNF – 14kDa; pro-BDNF – 28 kDa

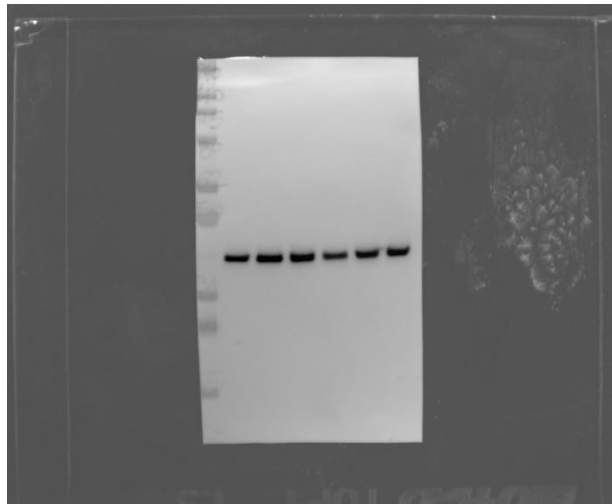
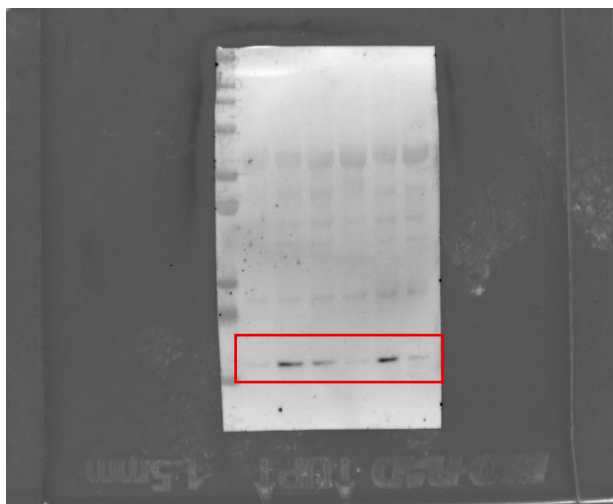


Images shown in Figure 7K

1°- 2° replicate. First lane: marker (Abm- Protein Ultra #G623), second and fifth lanes: mDAs pHC (1 μ M DMSO), third and sixth lanes: mDA pPD (1 μ M DMSO), fourth and eighth lanes: mDA pPD (1 μ M QVD-OPh)

pS129 α - syn – 14 kDa

GAPDH – 36 kDa

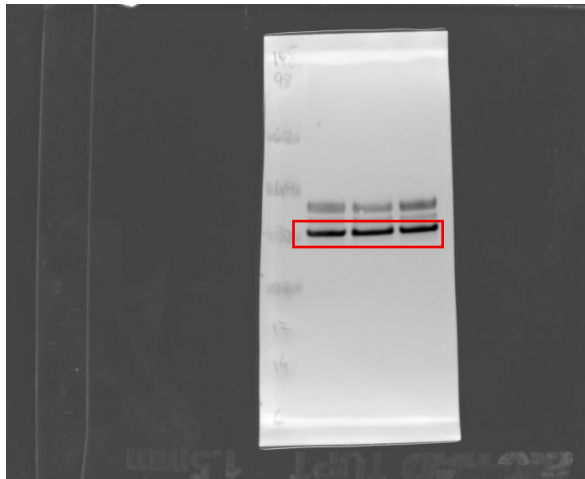
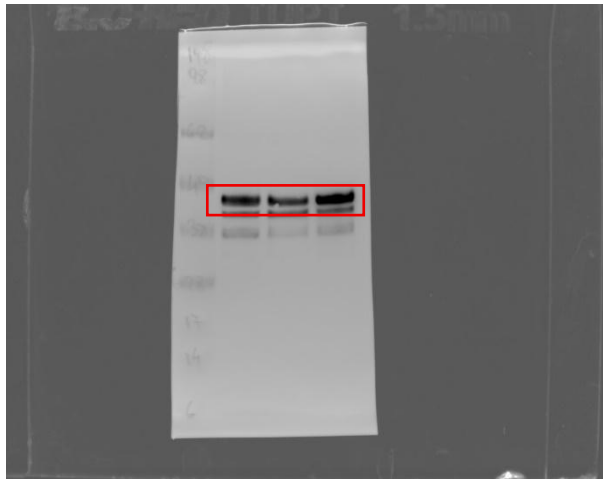


Images shown in Figure 8A

1° replicate. First lane: marker (SeeBlue Plus2 #LC5925), second lane: mDAs pHC (1 μ M DMSO), third lane: mDAs pPD (1 μ M DMSO), fourth lane: mDAs pPD (1 μ M QVD-OPh).

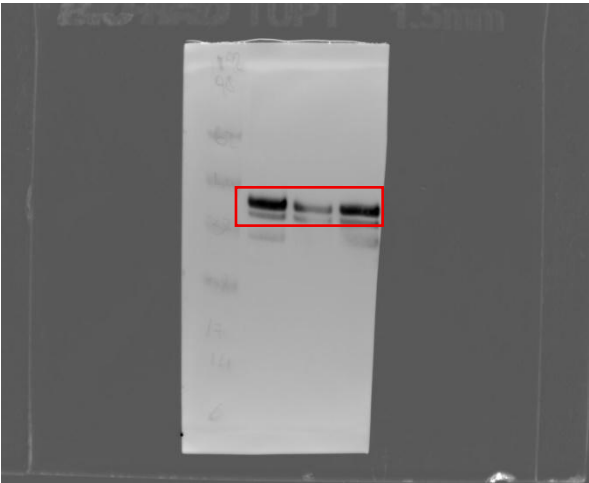
p-CREB (Ser133) – 44kDa

GAPDH- 36kDa



2° replicate. First lane: marker (SeeBlue Plus2 #LC5925), second lane: mDAs pHC (1μM DMSO), third lane: mDAs pPD (1μM DMSO), fourth lane: mDAs pPD (1μM QVD-OPh).

p-CREB (Ser133) – 44kDa

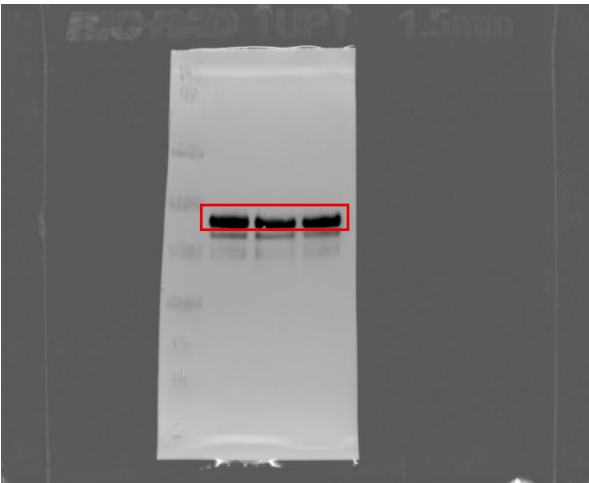


GAPDH – 36kDa

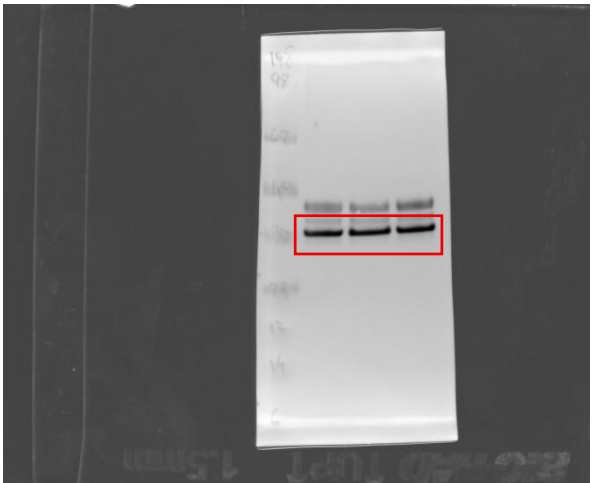


1° replicate. First lane: marker (SeeBlue Plus2 #LC5925), second lane: mDAs pHC (1μM DMSO), third lane: mDAs pPD (1μM DMSO), fourth lane: mDAs pPD (1μM QVD-OPh).

CREB – 44kDa

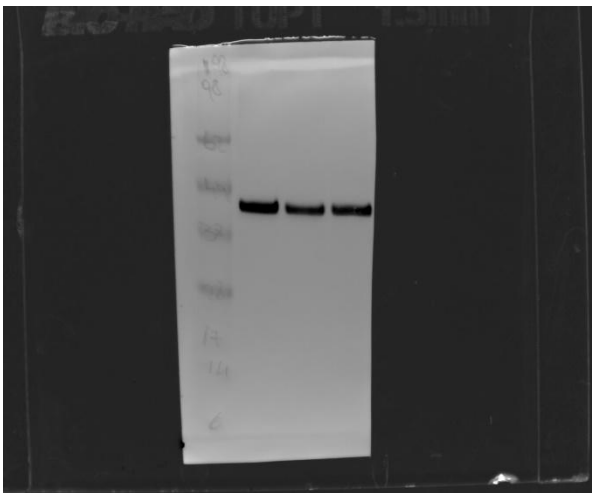


GAPDH – 36kDa



2° replicate. First lane: marker (SeeBlue Plus2 #LC5925), second lane: mDAs pHC (1μM DMSO), third lane: mDAs pPD (1μM DMSO), fourth lane: mDAs pPD (1μM QVD-OPh).

CREB – 44kDa



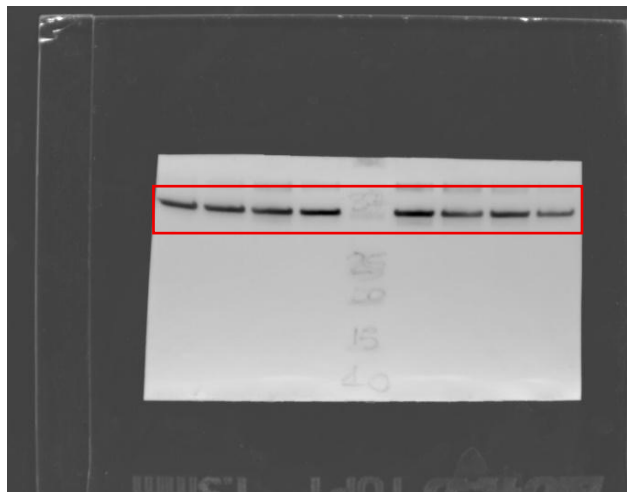
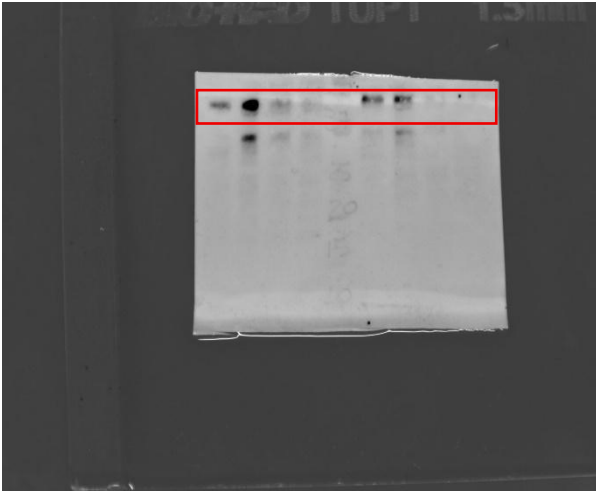
GAPDH – 36kDa



1°- 2° replicate. First and sixth lanes: mDAs pPD (vehicle), second and seventh lanes: mDAs pPD (1 μ M QVD-OPh), third and eighth lanes: mDAs pPD (1 μ M QVD-OPh + 10 μ M H89), fourth and ninth lanes: mDAs pPD (10 μ M H89), fifth lanes: marker (Precision Plus Protein #161-0374).

p-CREB (Ser133) – 44 kDa

GAPDH – 36 kDa

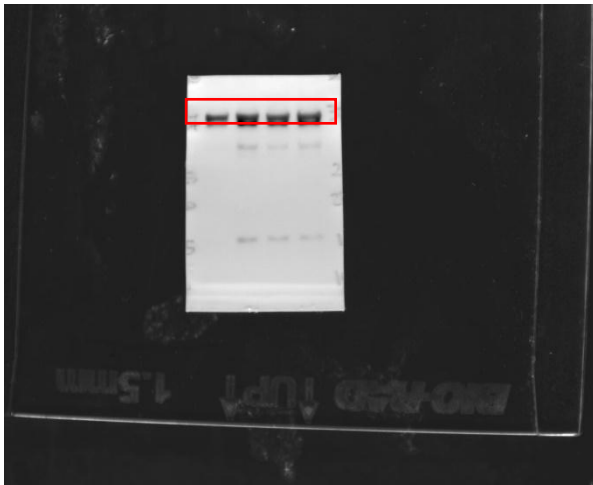
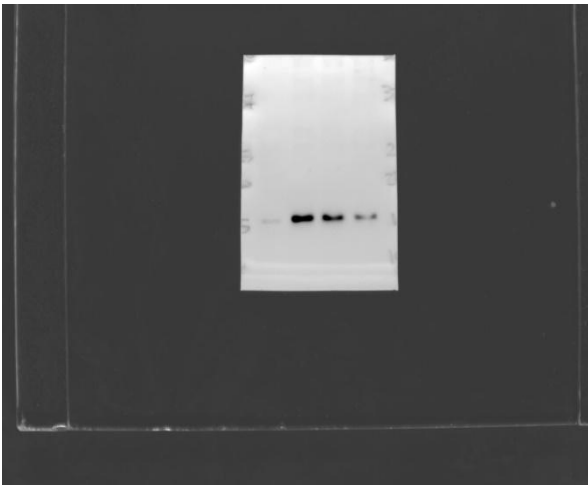


Images shown in Figure 8E

1°- replicate. First lane: marker (Precision Plus Protein #161-0374), second lane: mDAs pPD (vehicle), third lane: mDAs pPD (1 μ M QVD-OPh), fourth lane: mDA pPD (1 μ M QVD-OPh + 10 μ M H89), fifth lane: mDA pPD (10 μ M H89).

BDNF – 14kDa

GAPDH – 36kDa

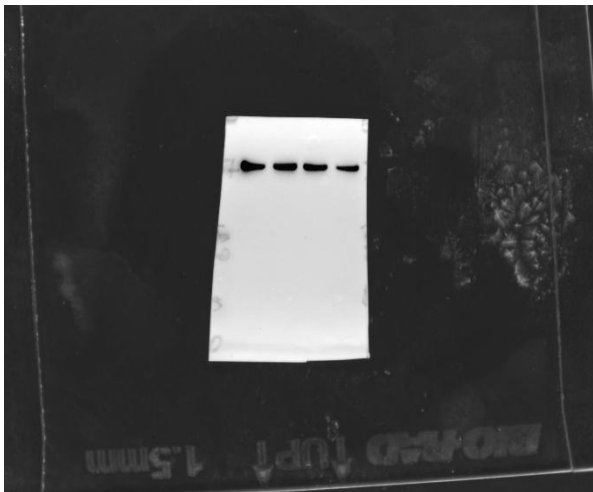


2°- replicate. First lane: marker (Precision Plus Protein #161-0374), second lane: mDAs pPD (vehicle), third lane: mDAs pPD (1 μ M QVD-Oph), fourth lane: mDA pPD (1 μ M QVD-Oph + 10 μ M H89), fifth lane: mDA pPD (10 μ M H89).

BDNF – 14kDa



GAPDH – 36kDa



Images shown in Figure 8G

1°- replicate. First lane: mDAs pPD (vehicle), second lanes: mDAs pPD (1 μ M QVD-Oph), third lanes: mDAs pPD (1 μ M QVD-Oph + 10 μ M H89), fourth lanes: mDAs pPD (10 μ M H89), fifth lanes: mDAs pPD (10 μ M H89), sixth lanes: marker (Precision Plus Protein #161-0374)

TH - 60kDa



GAPDH – 36kDa



2°- replicate. First lanes: marker (Precision Plus Protein #161-0374), second lanes: mDAs pPD (vehicle), third lanes: mDAs pPD (1 μ M QVD-OPh), fourth lane: mDAs pPD (1 μ M QVD-OPh + 10 μ M H89), fifth lane: mDAs pPD (10 μ M H89).

TH – 60kDa

GAPDH – 36kDa

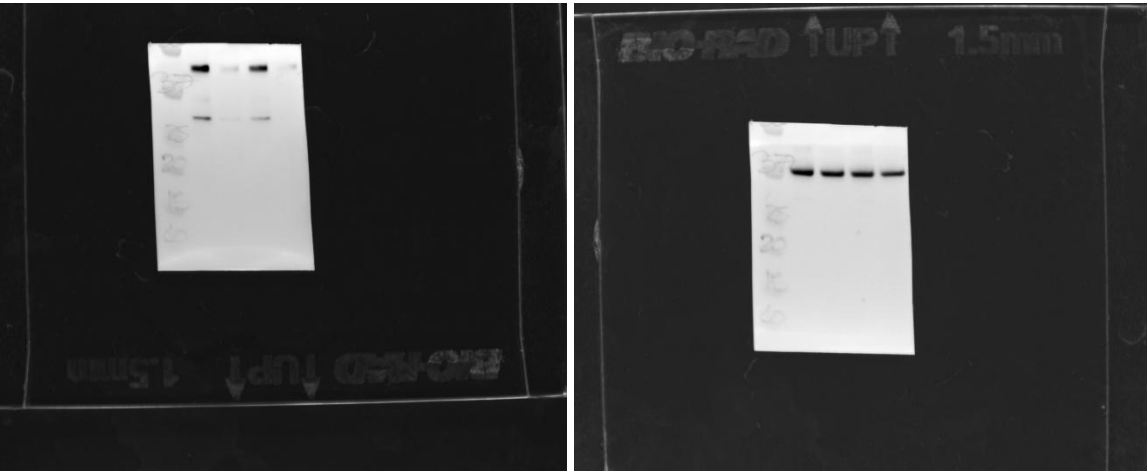


Images shown in Figure 8l

1°-2° replicate. First lanes: marker (Precision Plus Protein #161-0374), second lanes: mDAs pHC (10 μ M DMSO), third lanes: mDAs pHC (10 μ M H89), fourth lane: mDAs pHC (10 μ M DMSO), fifth lane: mDAs pHC (10 μ M H89).

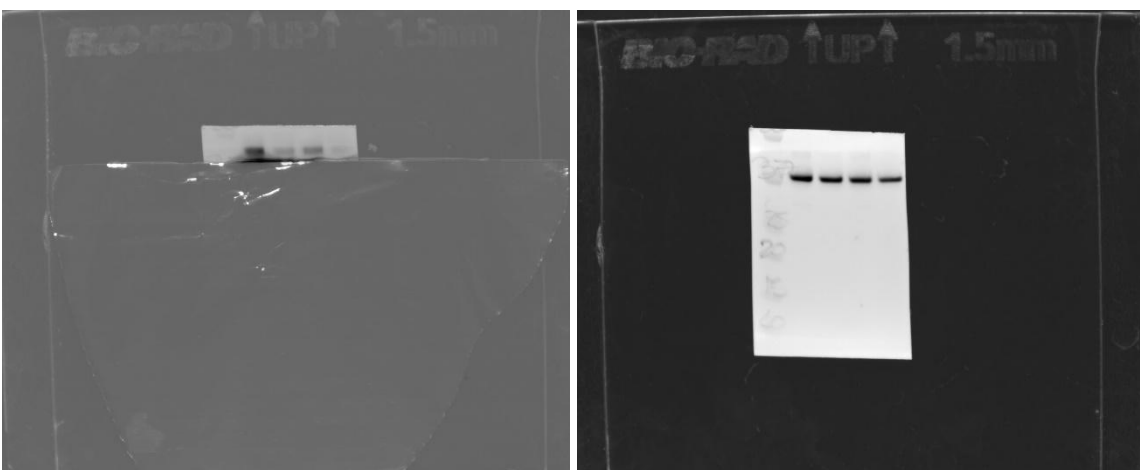
p-CREB (Ser133) – 44kDa

GAPDH – 36kDa



1°-2° replicate. First lanes: marker (Precision Plus Protein #161-0374), second lanes: mDAs pHC (10 μ M DMSO), third lanes: mDAs pHC (10 μ M H89), fourth lane: mDAs pHC (10 μ M DMSO), fifth lane: mDAs pHC (10 μ M H89).

CREB – 44kDa

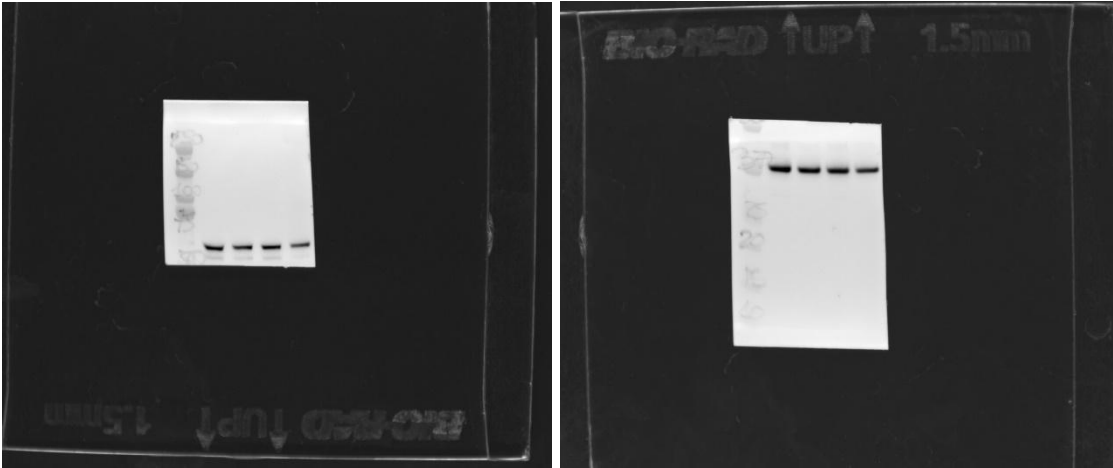


Images shown in Figure 8J

1°-2° replicate. First lanes: marker (Precision Plus Protein #161-0374), second lanes: mDAs pHc (10 μ M DMSO), third lanes: mDAs pHc (10 μ M H89), fourth lane: mDAs pHc (10 μ M DMSO), fifth lane: mDAs pHc (10 μ M H89).

TH – 60kDa

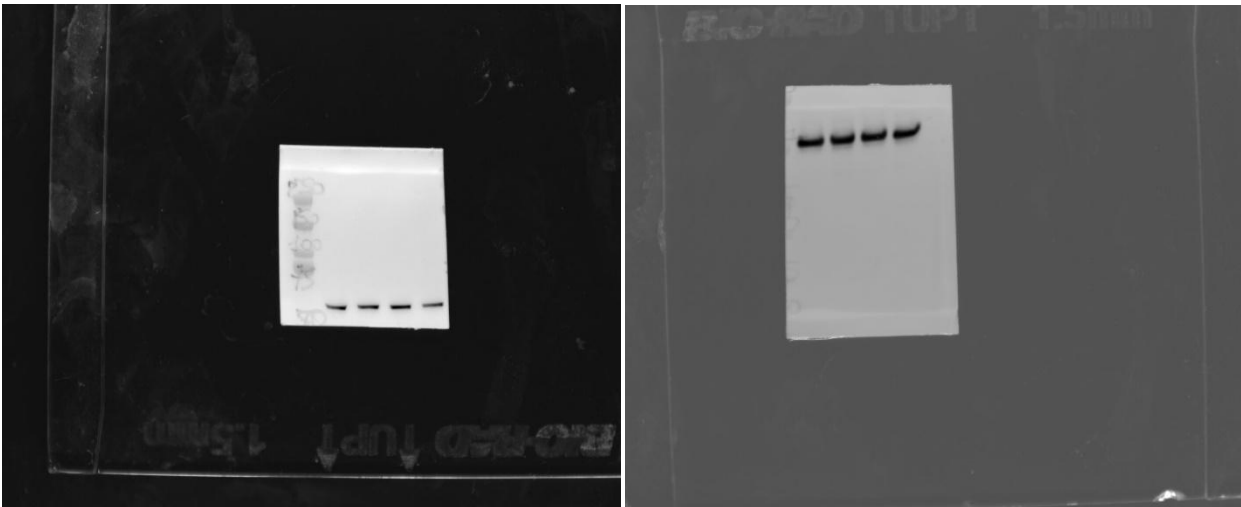
GAPDH – 36kDa



1°-2° replicate. First lanes: marker (Precision Plus Protein #161-0374), second lanes: mDAs pHc (10 μ M DMSO), third lanes: mDAs pHc (10 μ M H89), fourth lane: mDAs pHc (10 μ M DMSO), fifth lane: mDAs pHc (10 μ M H89).

NURR1 – 66kDa

GAPDH -36kDa

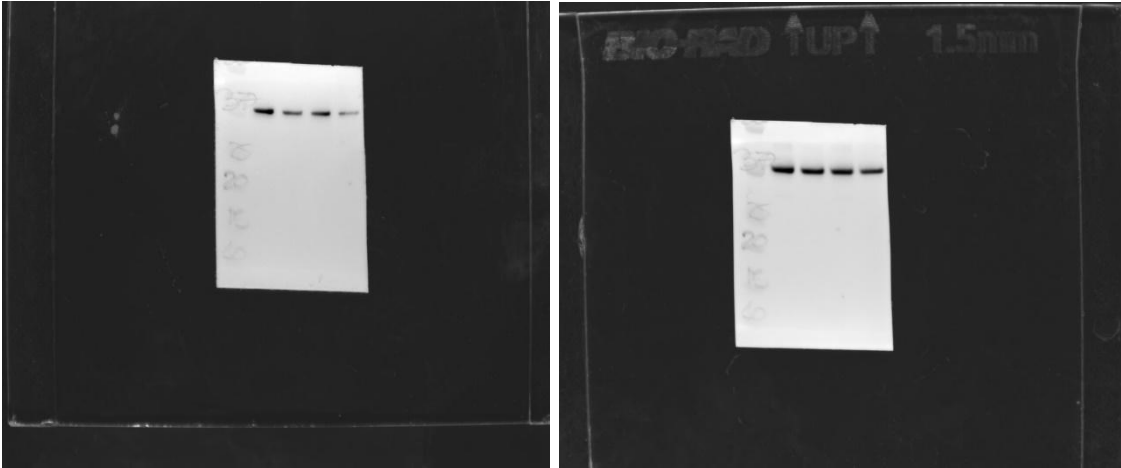


Images shown in Figure 8K

1°-2° replicate. First lanes: marker (Precision Plus Protein #161-0374), second lanes: mDAs pHc (10 μ M DMSO), third lanes: mDAs pHc (10 μ M H89), fourth lane: mDAs pHc (10 μ M DMSO), fifth lane: mDAs pHc (10 μ M H89).

Synaptophysin – 38kDa

GAPDH – 36kDa

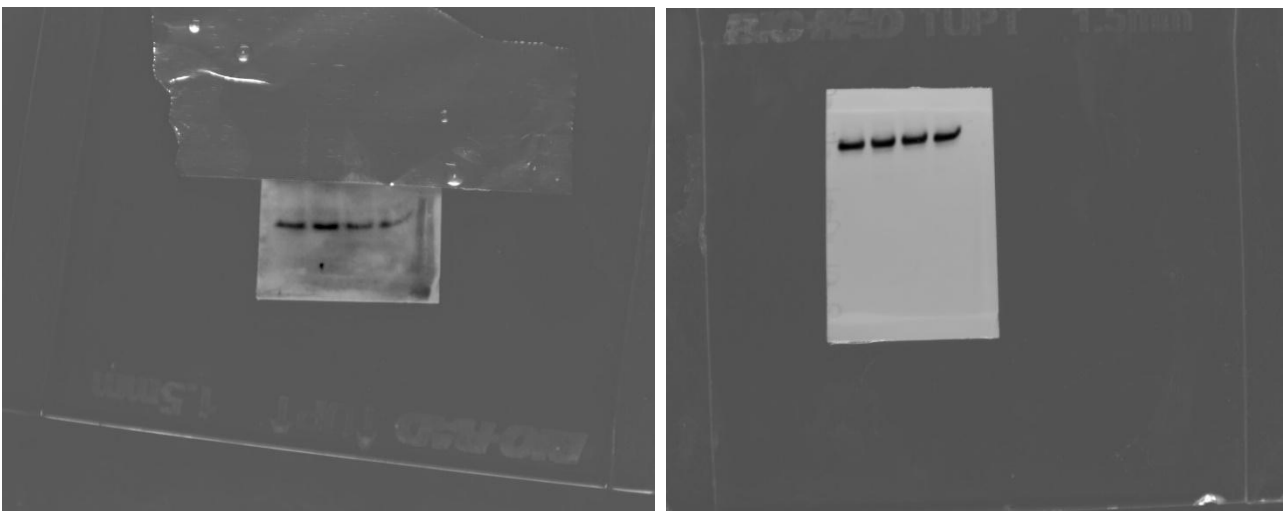


Images shown in Figure 8L

1°-2° replicate. First lanes: marker (Precision Plus Protein #161-0374), second lanes: mDAs pHc (10 μ M DMSO), third lanes: mDAs pHc (10 μ M H89), fourth lane: mDAs pHc (10 μ M DMSO), fifth lane: mDAs pHc (10 μ M H89).

pS129 α -syn – 14kDa

GAPDH – 36kDa

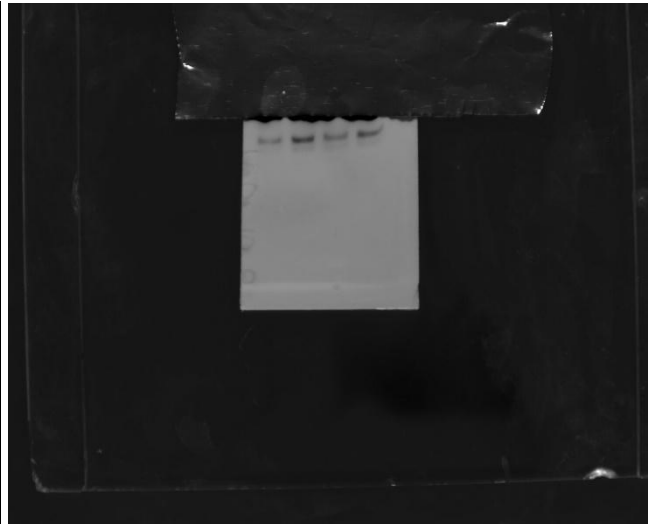
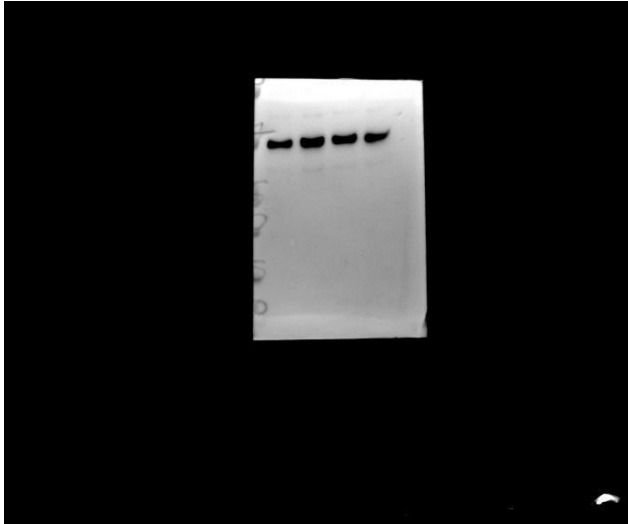


Images shown in Figure 8M

1°-2° replicate. First lanes: marker (Precision Plus Protein #161-0374), second lanes: mDAs pHC (10 μ M DMSO), third lanes: mDAs pHC (10 μ M H89), fourth lane: mDAs pHC (10 μ M DMSO), fifth lane: mDAs pHC (10 μ M H89).

Caspase 7 – 35 kDa

Cleaved Caspase 7 – 20 kDa



GAPDH – 36kDa

