

Supplementary Material 2

Original Date

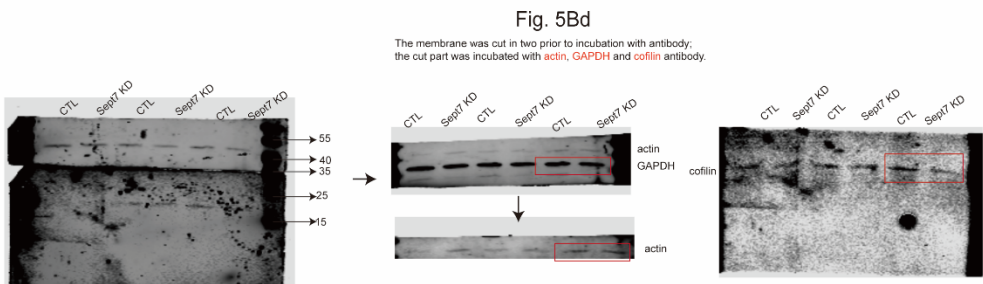
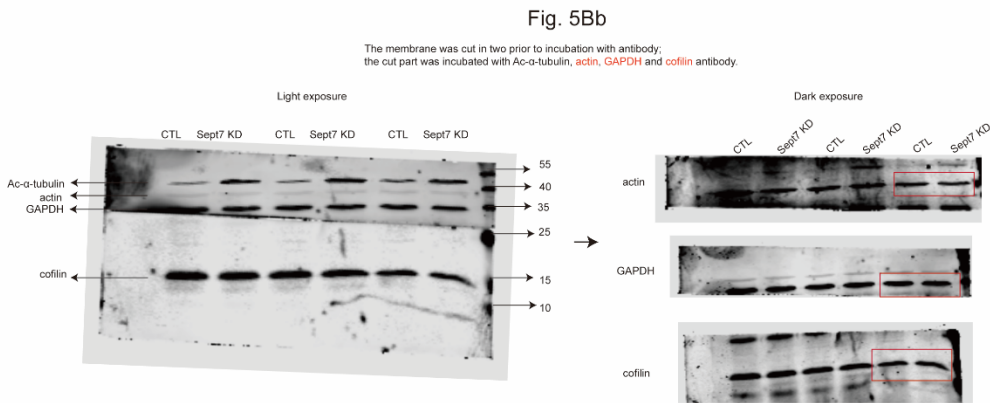
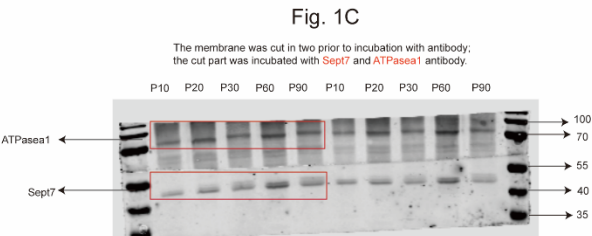


Fig. 6Bb

The membrane was incubated with Ac- α -tubulin, α -tubulin, actin and GAPDH antibody.

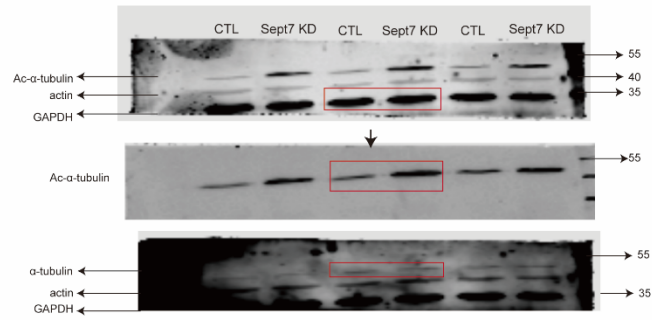


Fig. 6Bd

The membrane was incubated with Ac- α -tubulin, α -tubulin and GAPDH antibody.

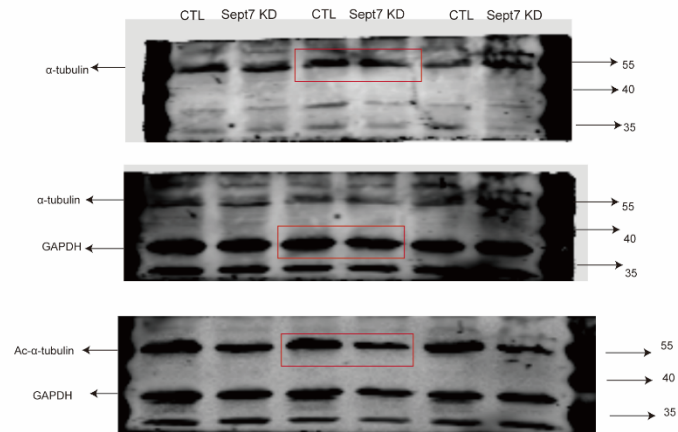


Fig. 7C MBP

The membrane was cut in two prior to incubation with antibody; the cut part was incubated with MBP and GAPDH antibody

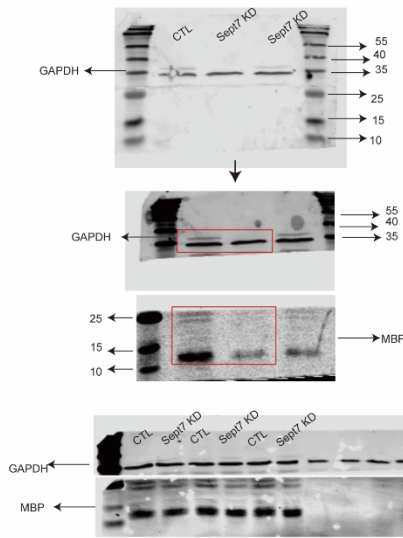


Fig. 7C CNP

The membrane was cut in two prior to incubation with antibody; the cut part was incubated with CNP and GAPDH antibody.

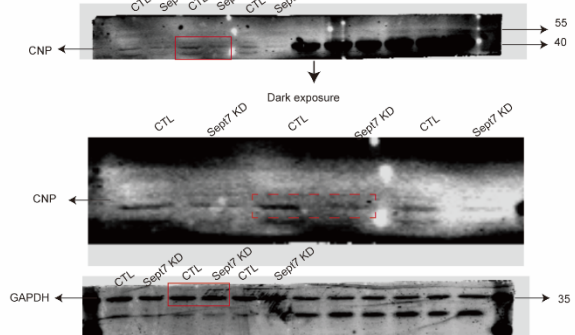
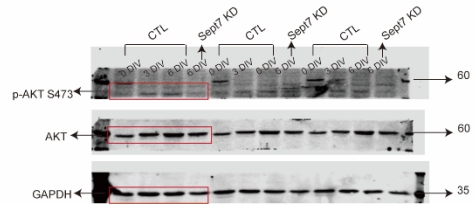


Fig. 7D AKT

The membrane was cut in two prior to incubation with antibody; the upper part was incubated with p-AKT S473 antibody, the middle part was incubated with AKT antibody, and the lower part with GAPDH antibody.



The membrane was cut in two prior to incubation with antibody; the upper part was incubated with AKT and p-AKT T308 antibody, and the lower part with GAPDH antibody.

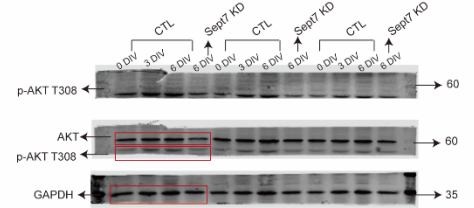


Fig. 7D ERK1/2

The membrane was incubated with ERK1/2, p-ERK1/2 and GAPDH antibody.

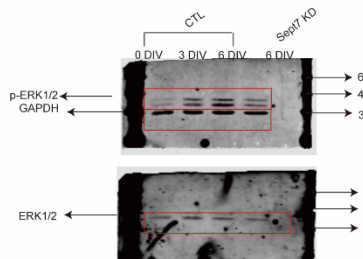


Fig. 7D p38 MAPK

The membrane was incubated with p-p38 MAPK, p38 MAPK and GAPDH antibody.

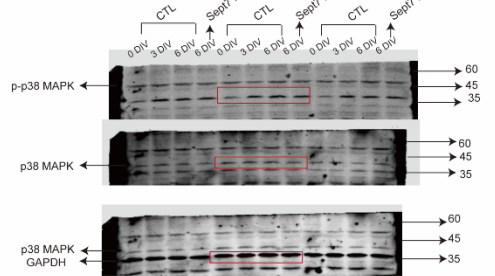


Fig. 7F-Nucleus

The membrane was cut in two prior to incubation with antibody; the upper part was incubated with **PARP** antibody, the middle part was incubated with **ERK1/2** antibody, and the lower part with **p-ERK1/2** antibody.

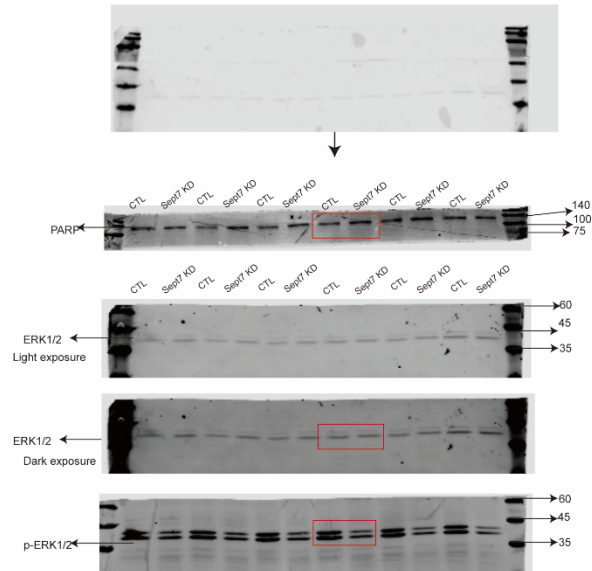


Fig. 7F-Cytoplasm

The membrane was incubated with **ERK1/2**, **p-ERK1/2** and **GAPDH** antibody.

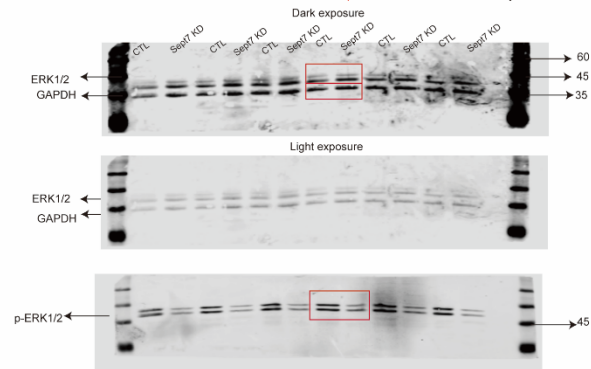


Fig. 7G RAS

The membrane was cut in two prior to incubation with antibody; the upper part was incubated with **GAPDH** antibody and the lower part with **RAS** antibody.

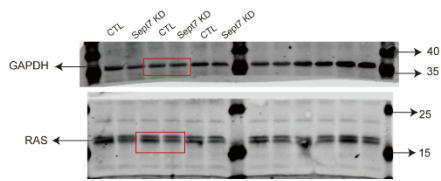


Fig. 7G BRAF

The membrane was cut prior to incubation with antibody; the upper part was incubated with **BRAF** antibody and the lower part with **GAPDH** antibody.

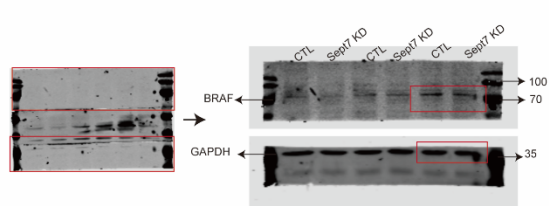


Fig. 7G p-BRAF

The membrane was cut in two prior to incubation with antibody; the upper part was incubated with **p-BRAF** antibody and the lower part with **GAPDH** antibody.

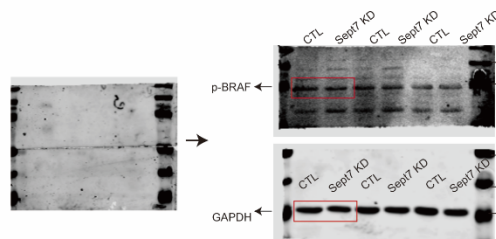


Fig. 7G MEK1/2

The membrane was cut prior to incubation with antibody; the upper part was incubated with **p-MEK1/2** and **MEK1/2** antibody and the lower part with **GAPDH** antibody.

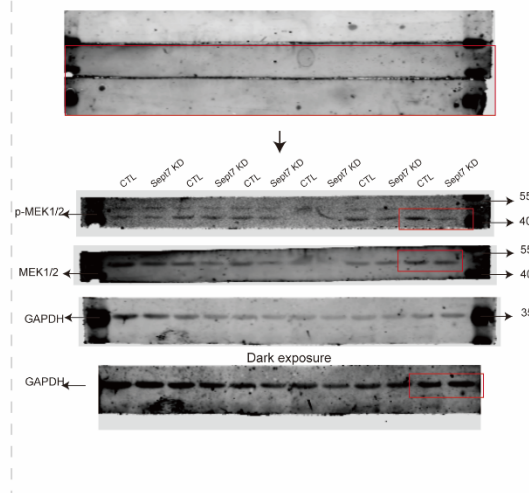


Fig. 7G ERK1/2

The membrane was cut in two prior to incubation with antibody; the cut part was incubated with **p-ERK1/2**, **ERK1/2** and **GAPDH** antibody.

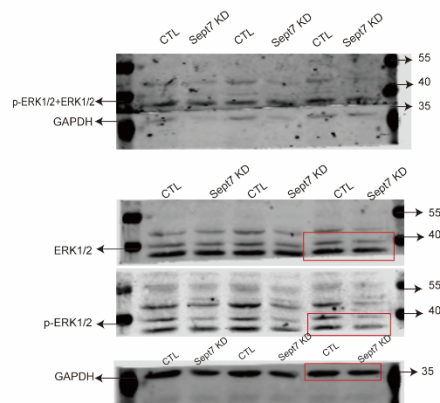


Fig. 8B INPUT

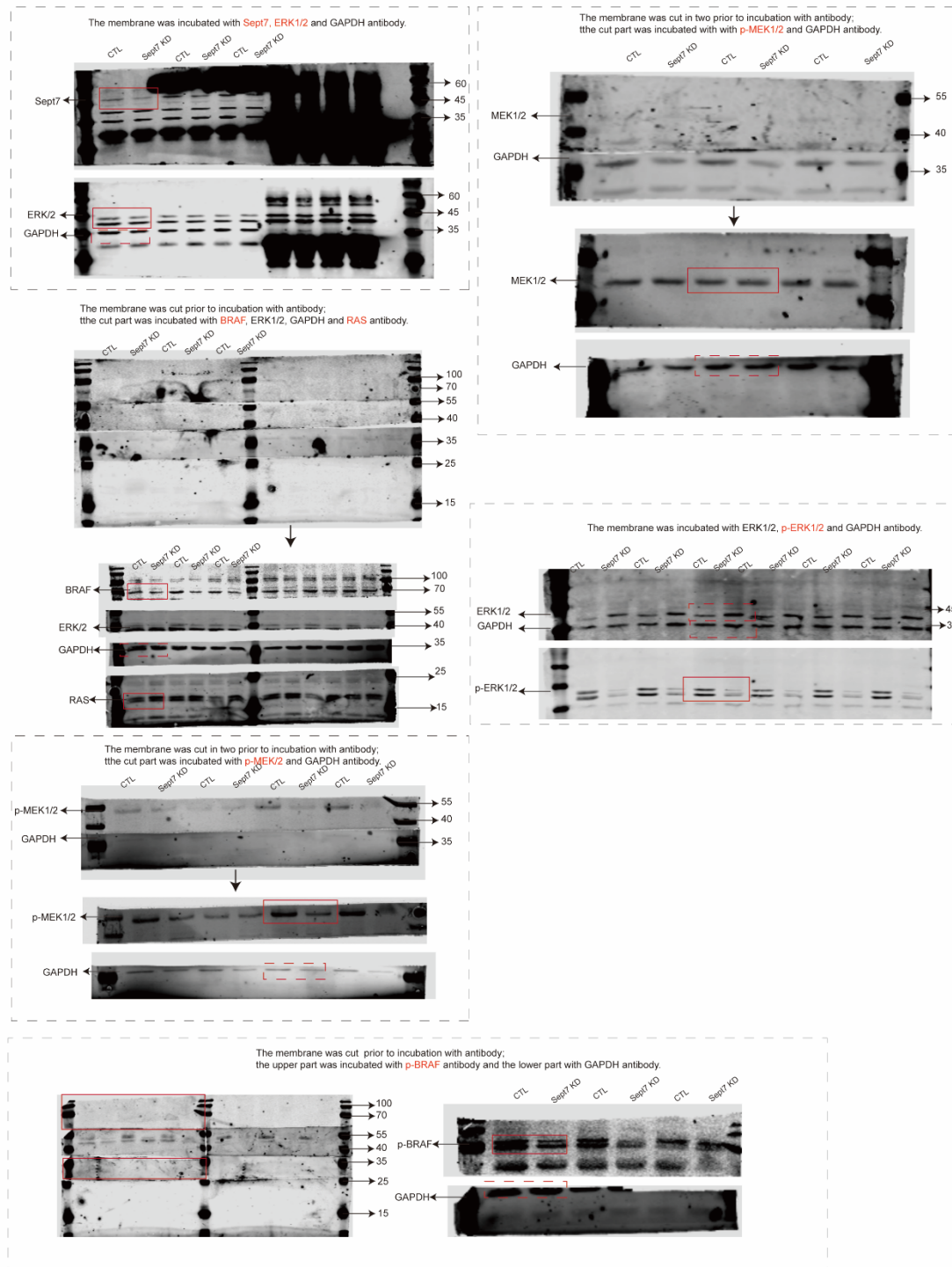


Fig. 8B IP

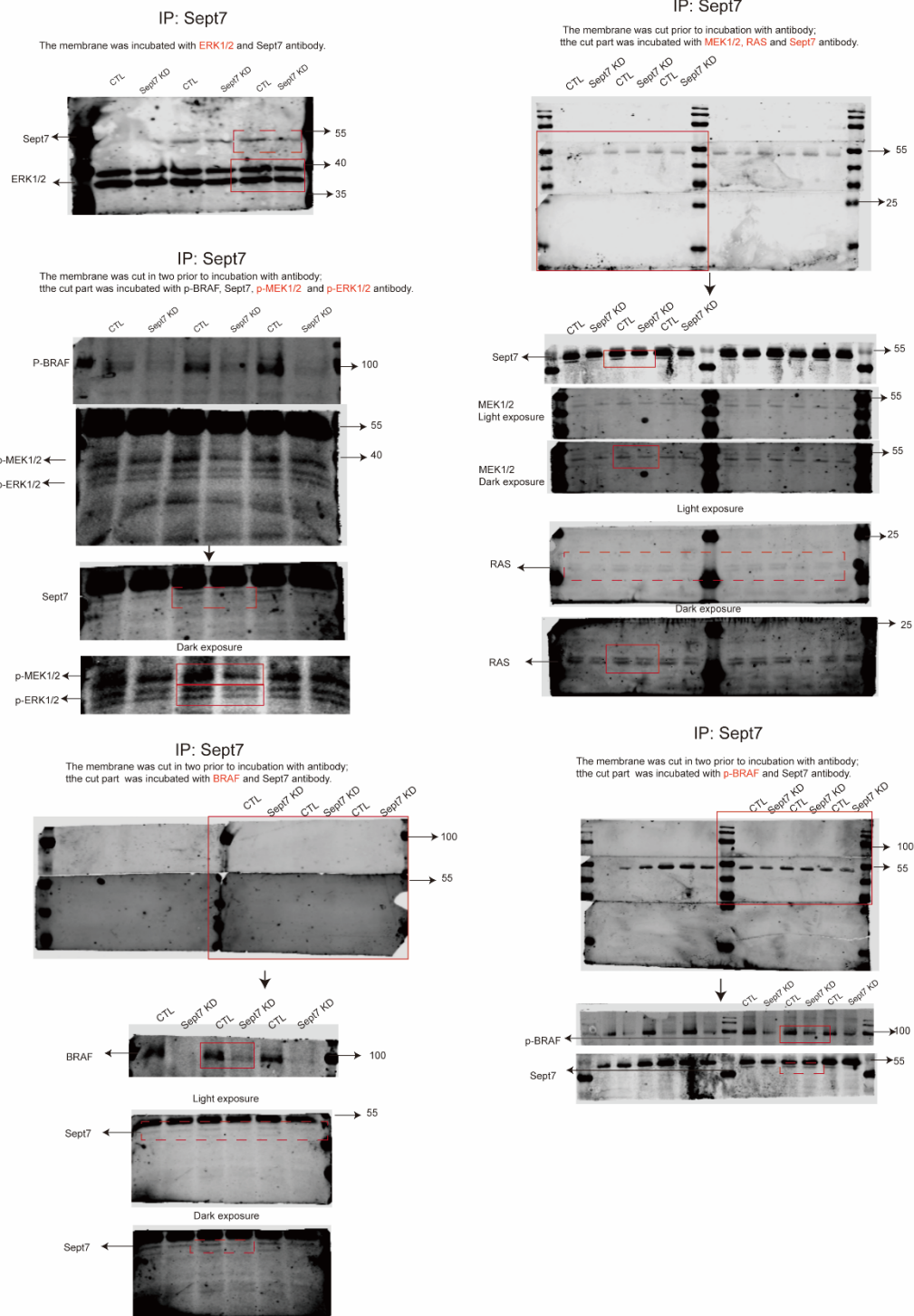


Fig. 8D IP

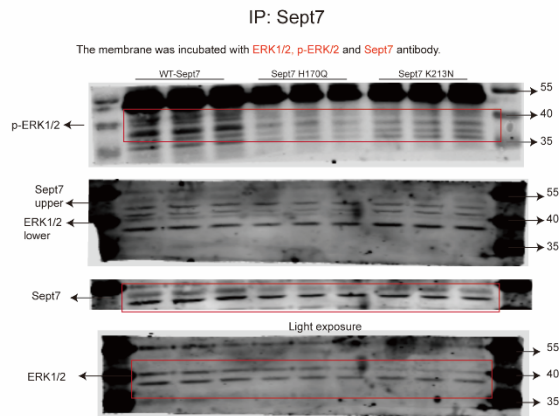


Fig. 8F

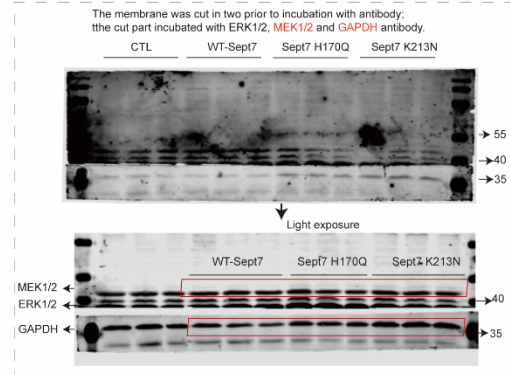
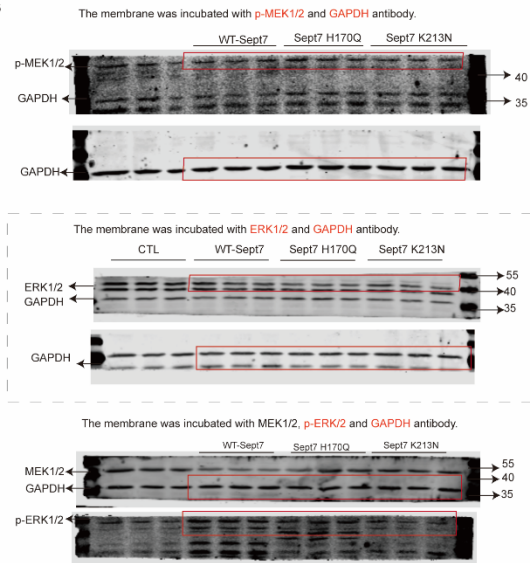
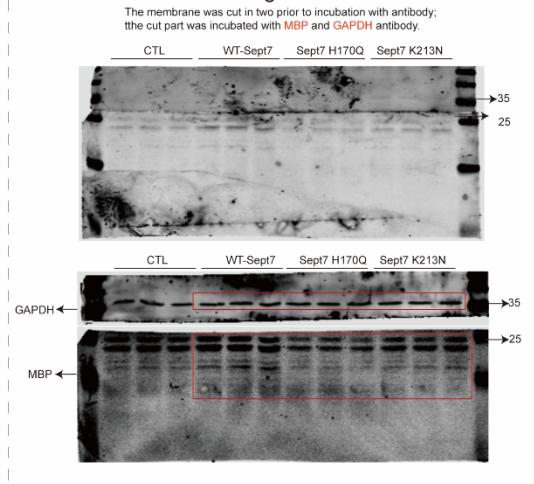
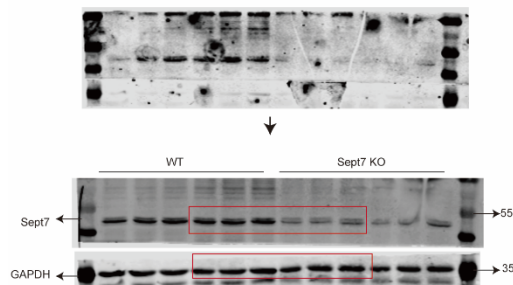


Fig. 8E



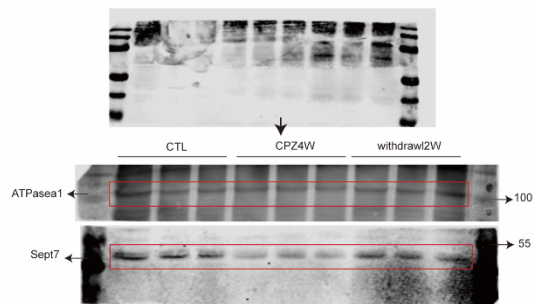
Supplementary Fig. 1

The membrane was cut in two prior to incubation with antibody; the upper part was incubated with **Sept7** antibody and the lower part with **GAPDH** antibody.



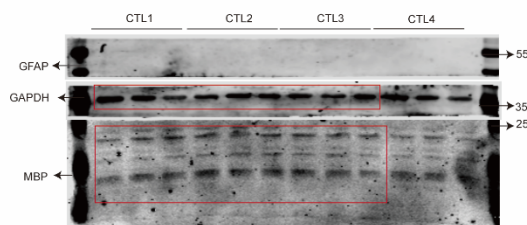
Supplementary Fig. 2

The membrane was cut in two prior to incubation with antibody; the upper part was incubated with **ATPase1** antibody and the lower part with **Sept7** antibody.



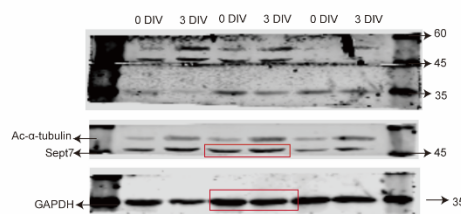
Supplementary Fig. 3A

The membrane was cut prior to incubation with antibody; the upper part was incubated with **GFAP** antibody, the middle part was incubated with **GAPDH** antibody, and the lower part with **MBP** antibody.



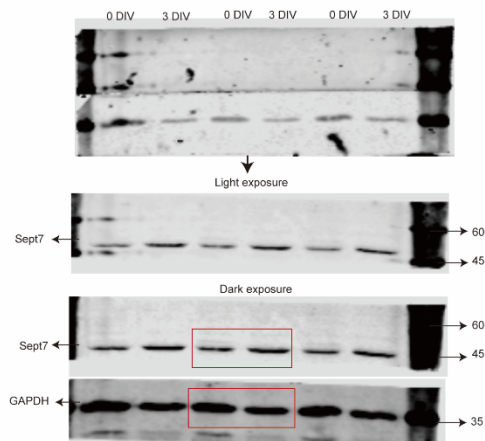
Supplementary Fig. 3D Pri OPC

The membrane was cut in two prior to incubation with antibody; the upper part was incubated with **Ac-α-tubulin**, **Sept7** and **GAPDH** antibody.



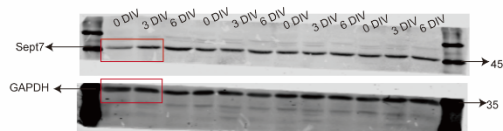
Supplementary Fig. 3D CG4

The membrane was cut in two prior to incubation with antibody; the upper part was incubated with **Sept7** antibody, and the lower part with **GAPDH** antibody.

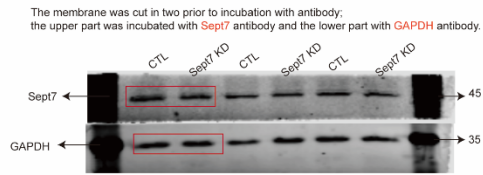


Supplementary Fig. 3D OLN-93

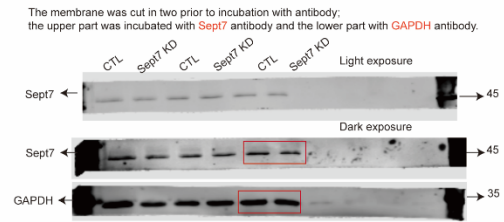
The membrane was cut in two prior to incubation with antibody; the upper part was incubated with **Sept7** antibody, and the lower part with **GAPDH** antibody.



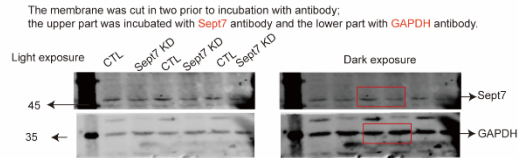
Supplementary Fig. 3E Pri OPC



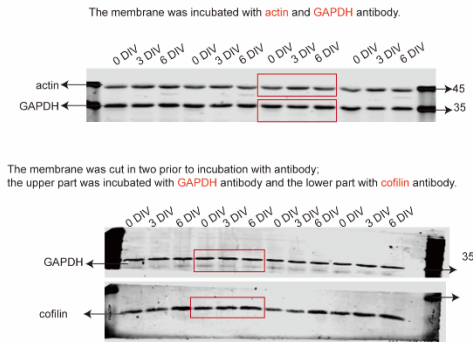
Supplementary Fig. 3E CG4



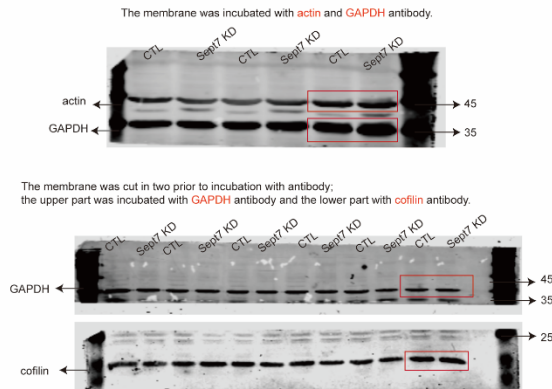
Supplementary Fig. 3E OLN-93



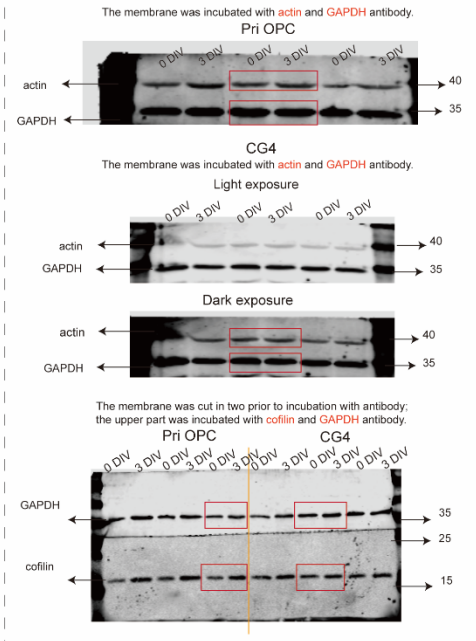
Supplementary Fig. 5B OLN-93



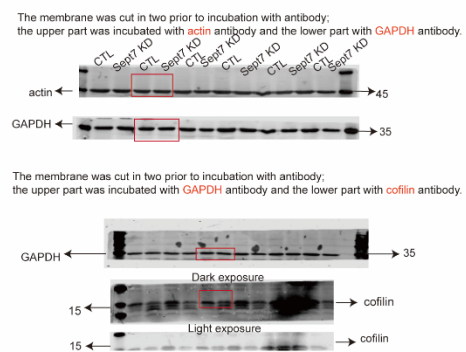
Supplementary Fig. 5Cb OLN-93 0 DIV

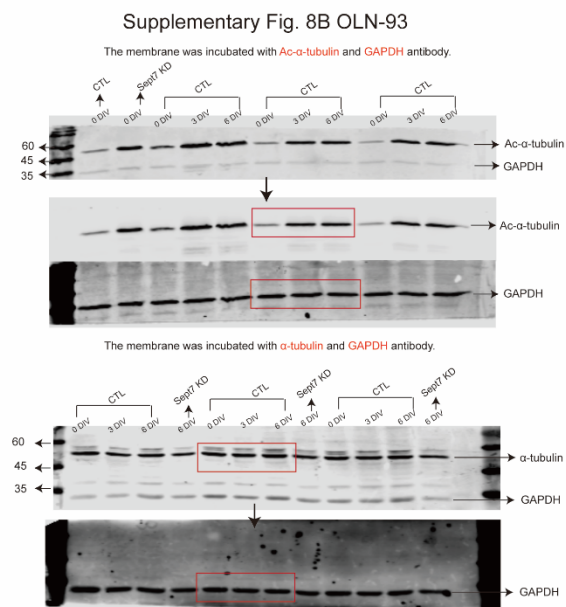
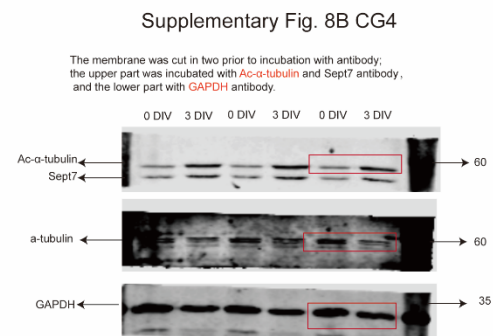
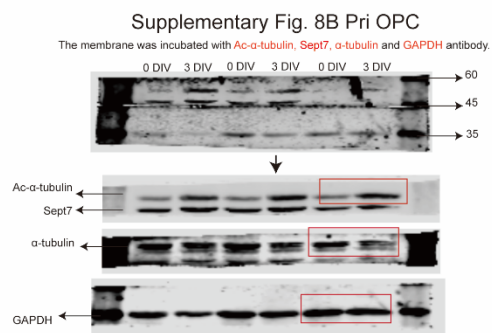
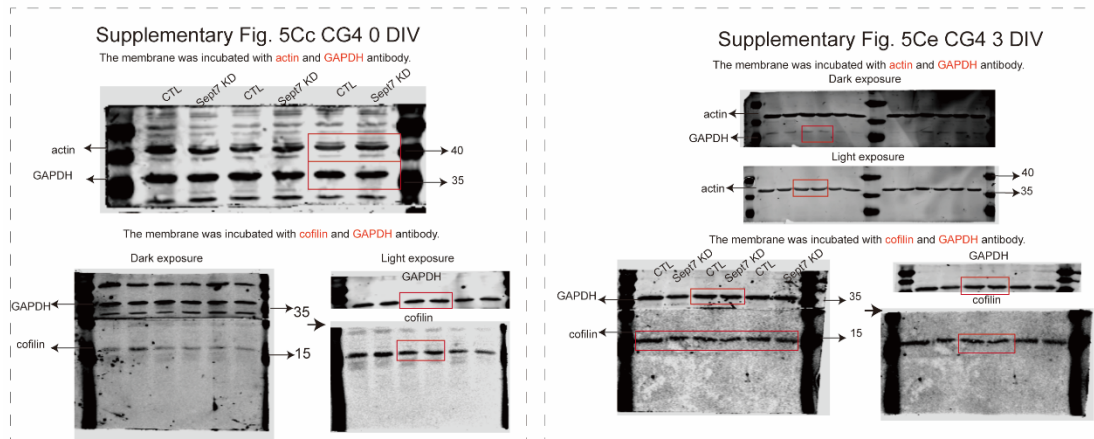


Supplementary Fig. 5B Pri OPC and CG4



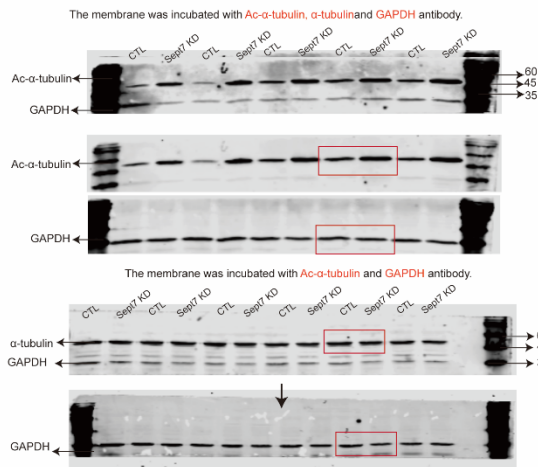
Supplementary Fig. 5Cd OLN-93 6 DIV



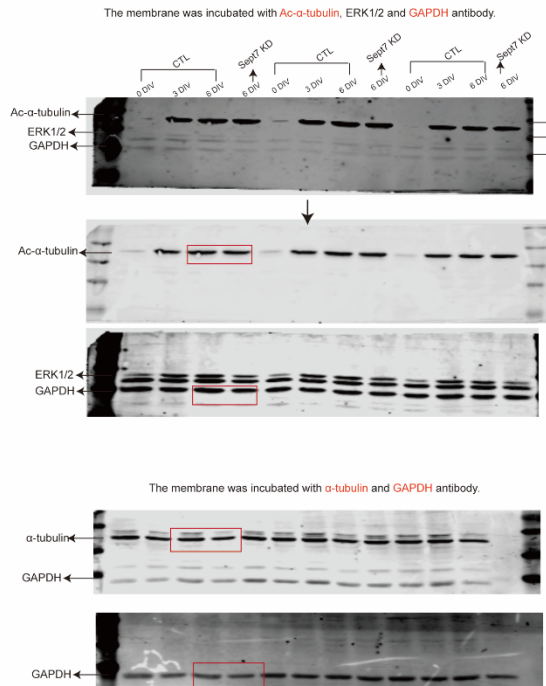


OLN-93

Supplementary Fig. 8Ca OLN-93

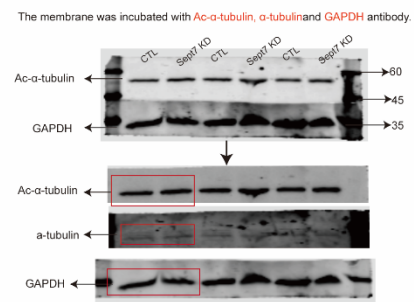


Supplementary Fig. 8Cb OLN-93

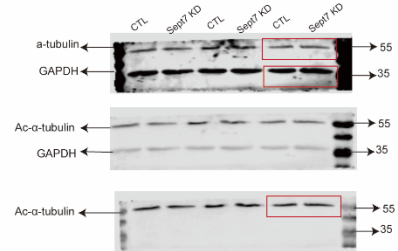


CG4

Supplementary Fig. 8Cc CG4

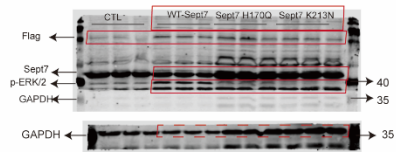


Supplementary Fig. 8Cd CG4

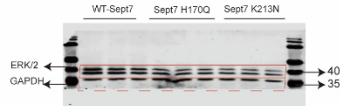


Supplementary Fig. 9C and 9E

The membrane was cut prior to incubation with antibody;
the cut part was incubated with **Flag**, **Sept7**, **p-ERK1/2** and **GAPDH** antibody.

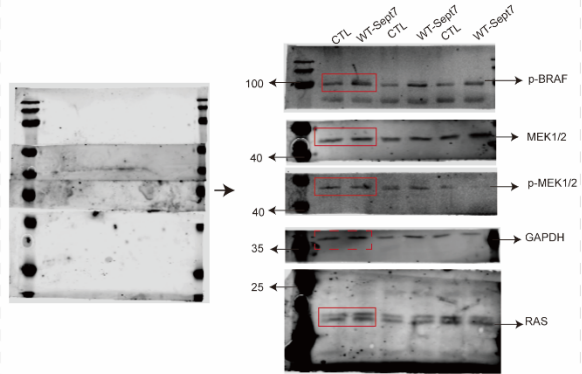


The membrane was incubated with **ERK2** and **GAPDH** antibody.



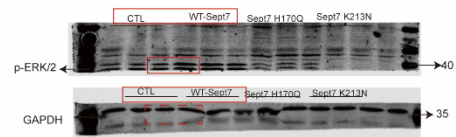
Supplementary Fig. 9D

The membrane was cut prior to incubation with antibody;
the cut part was incubated with **p-BRAF**, **MEK1/2**, **p-MEK1/2**, **GAPDH** and **RAS** antibody.



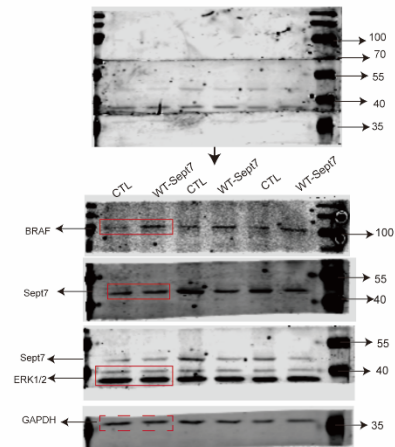
Supplementary Fig. 9D

The membrane was cut prior to incubation with antibody;
the cut part was incubated with **p-ERK2** and **GAPDH** antibody.



Supplementary Fig. 9D

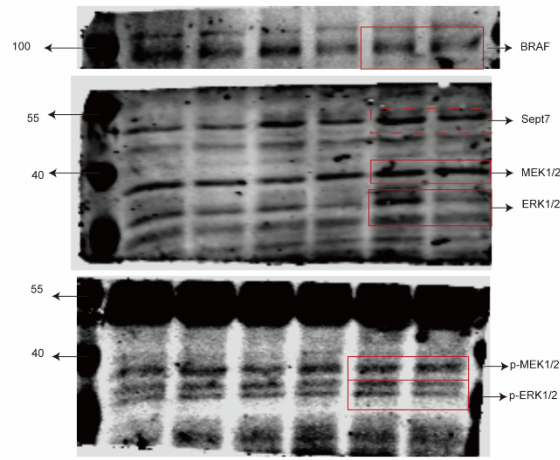
The membrane was cut prior to incubation with antibody;
the cut part was incubated with **BRAF**, **Sept7**, **ERK1/2** and **GAPDH** antibody.



Supplementary Fig. 9D IP

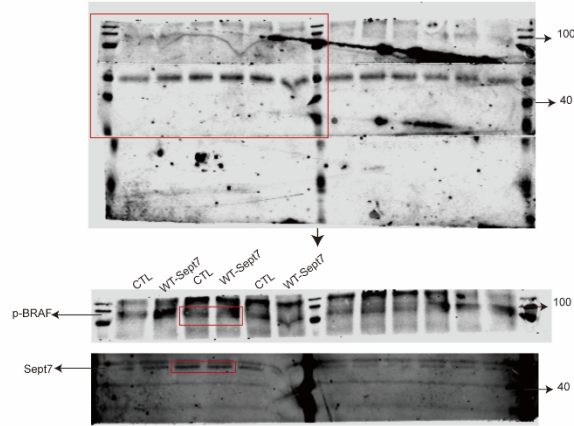
IP: Sept7

The membrane was cut in two prior to incubation with antibody; the upper part was incubated with **BRAF** antibody and the lower part with Sept7, **MEK1/2**, **p-MEK1/2**, **ERK1/2** and **p-ERK1/2** antibody.



IP: Sept7

The membrane was cut prior to incubation with antibody; the upper part was incubated with **p-BRAF** antibody and the lower part with **Sept7** antibody.



IP: Sept7

The membrane was cut prior to incubation with antibody; the upper part was incubated with **Sept7** antibody and the lower part with **RAS** antibody.

