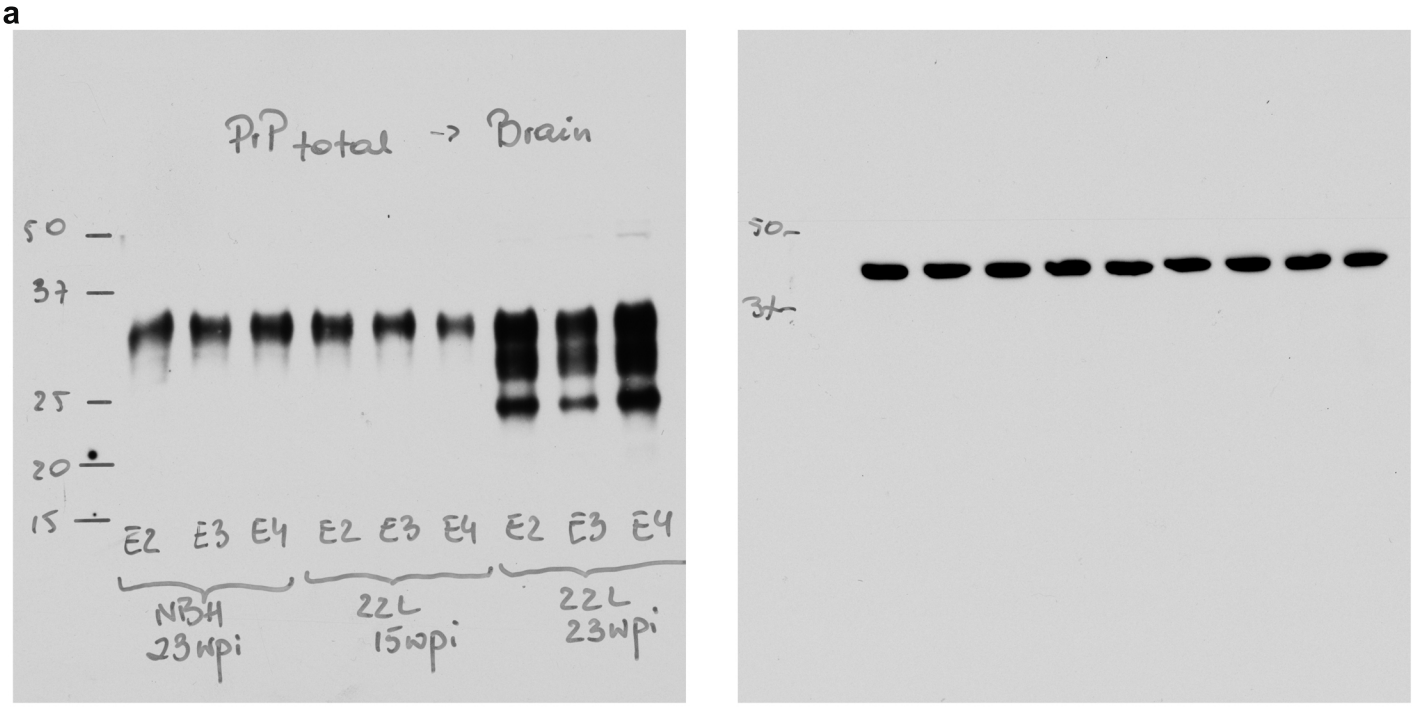
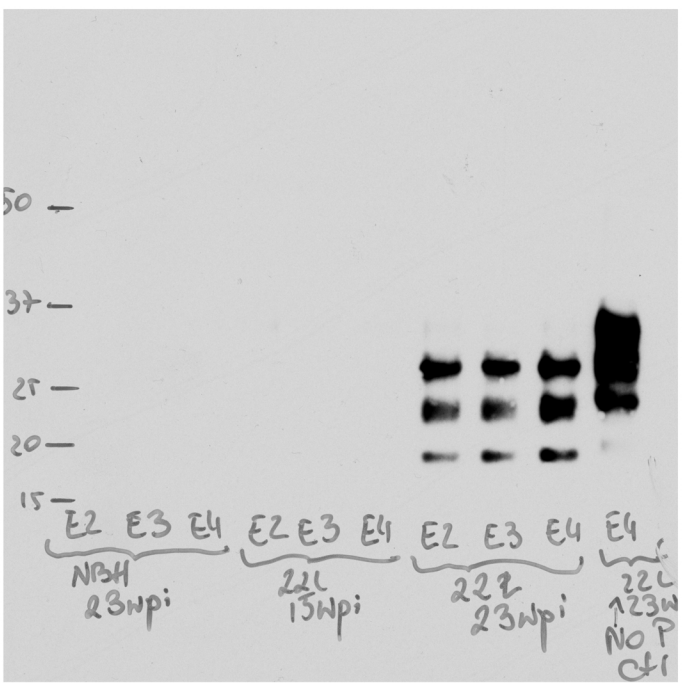
Figure S10

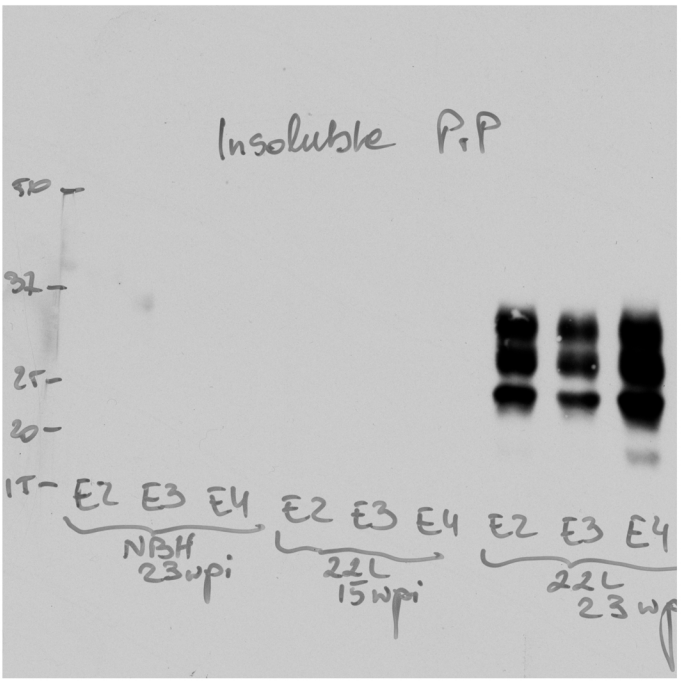
a



b



c



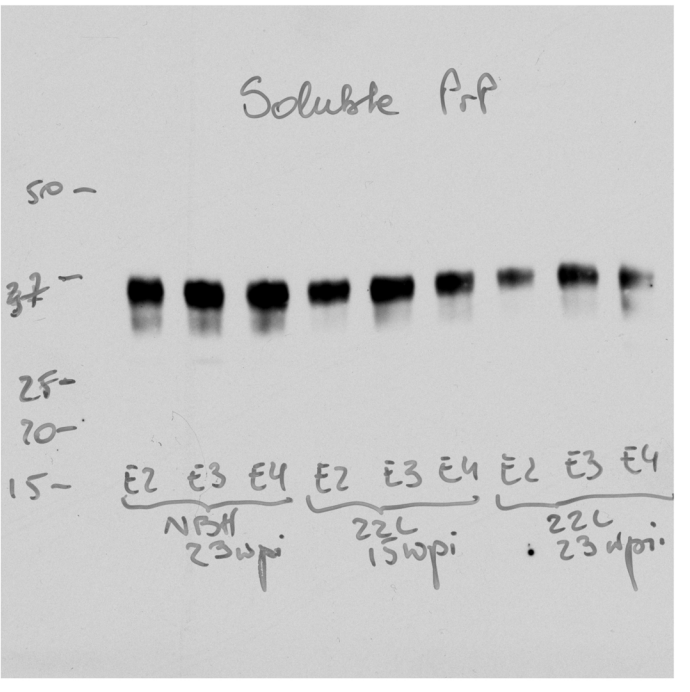


Figure S11

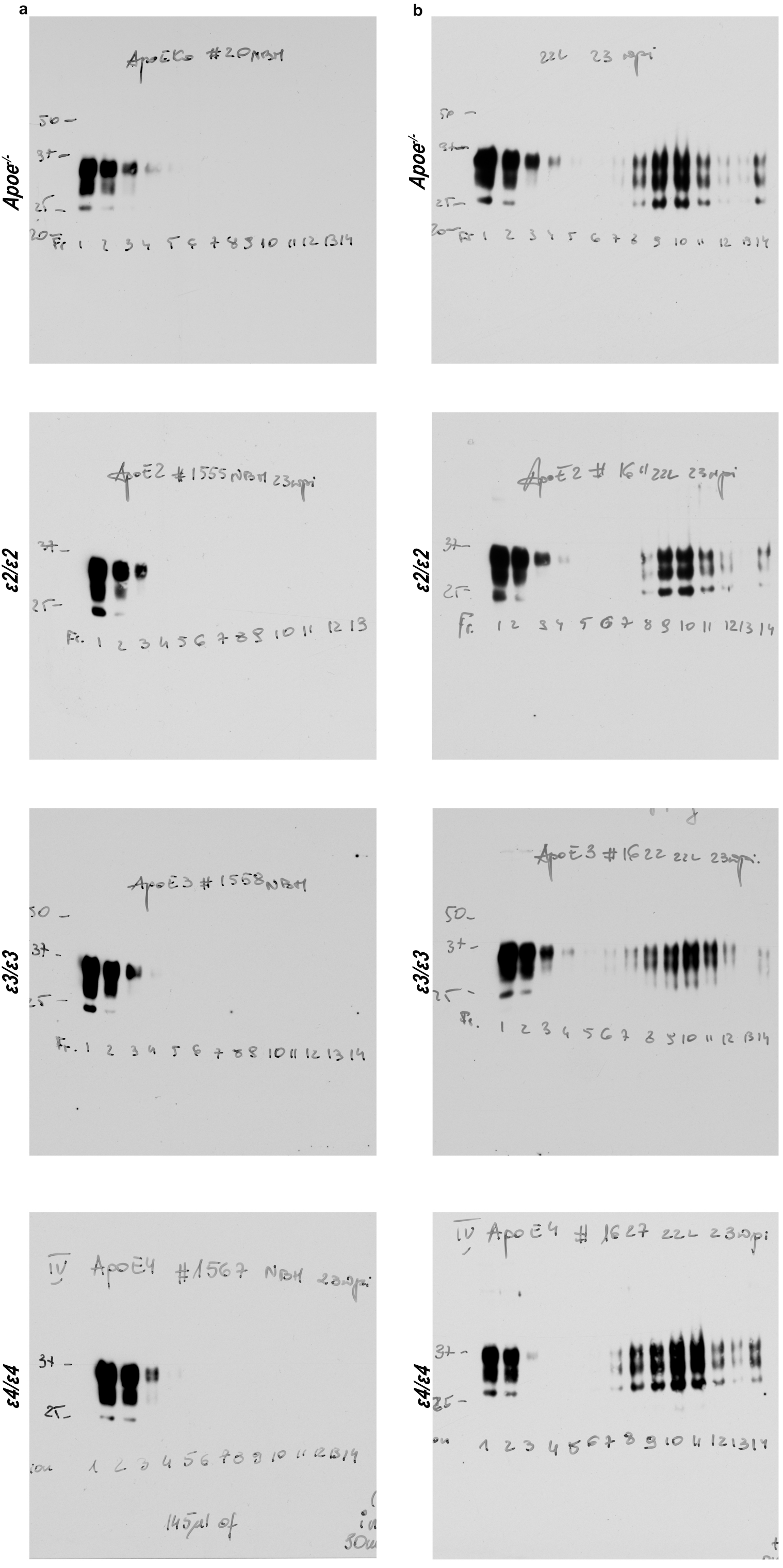
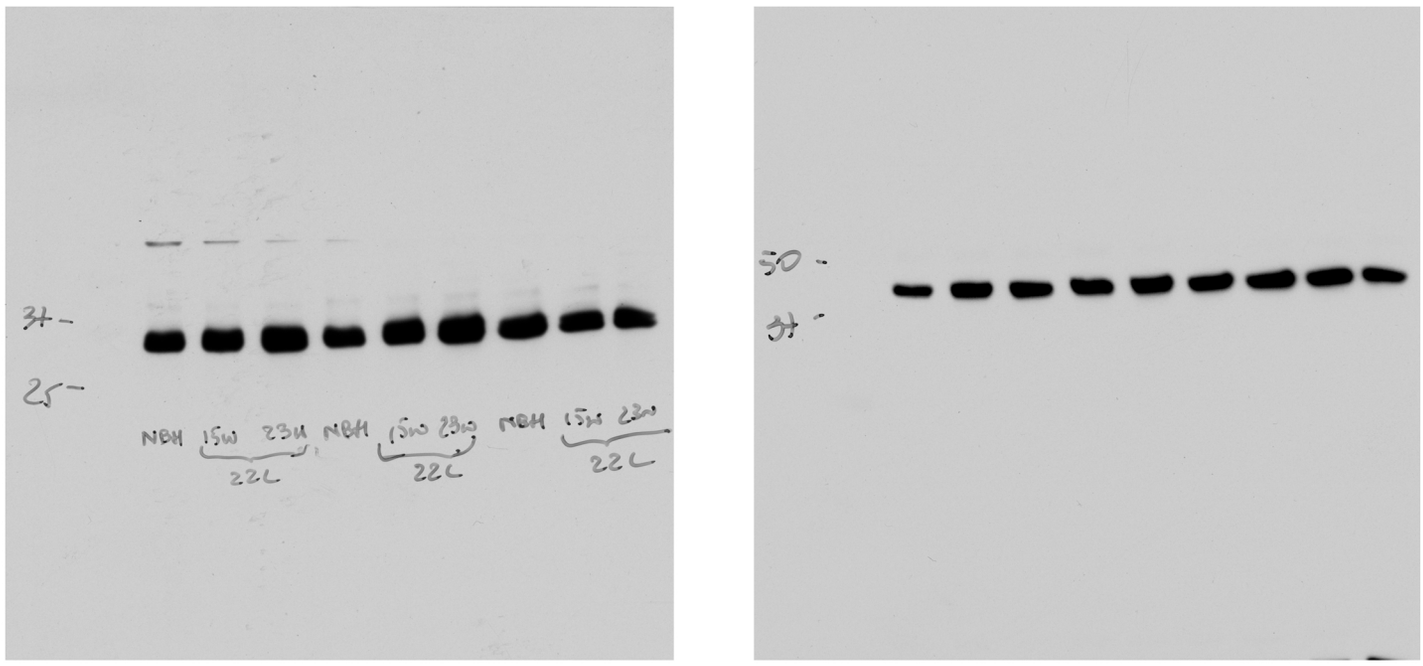
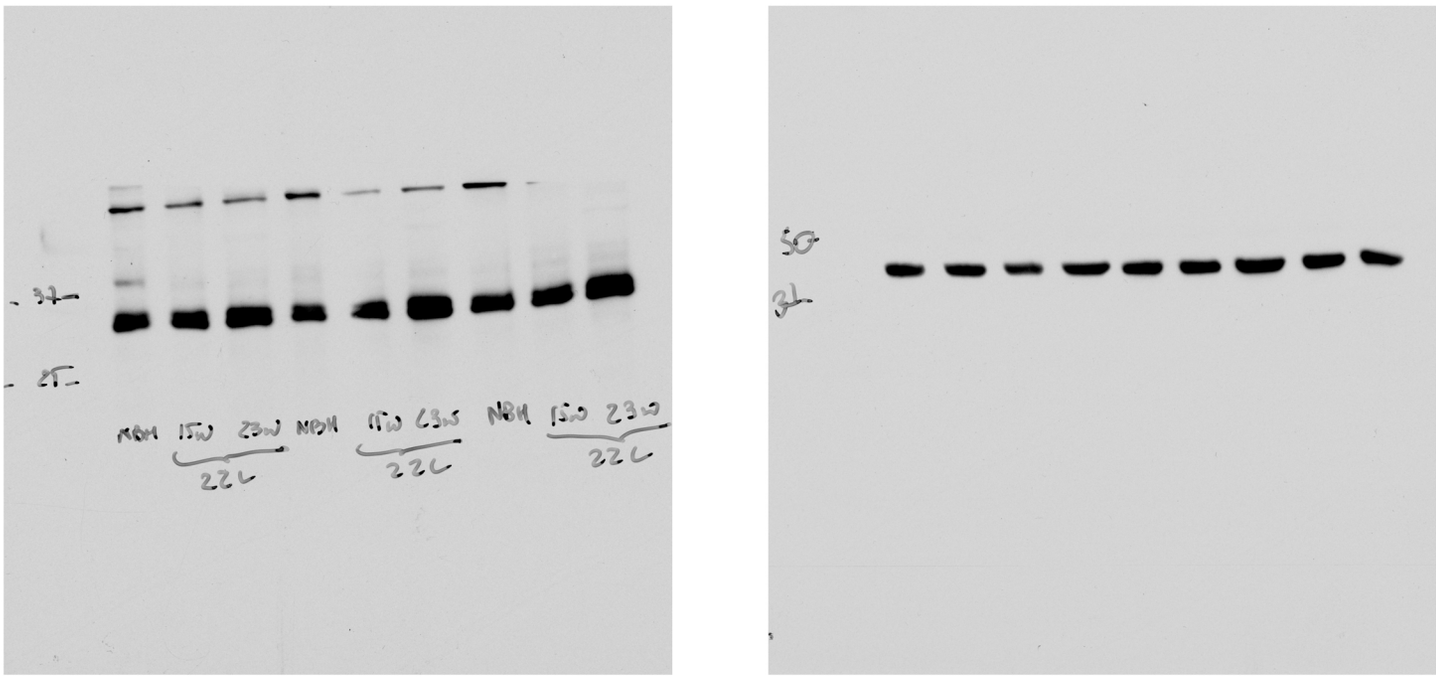

a
b
Apoe-/-
ε2/ε2
ε3/ε3
ε4/ε4
ApoEKO #20 NBH
22L 23 wpi
ApoE2 #1555 NBH 23wpi
ApoE2 # K6 11 22L 23wpi
ApoE3 #1558 NBH
ApoE3 #1622 22L 23wpi
IV ApoE4 #1567 NBH 23wpi
IV ApoE4 #1627 22L 23wpi
50
37
25
20
Fr. 1 2 3 4 5 6 7 8 9 10 11 12 13 14
145µl of

Figure S12

a



b



c

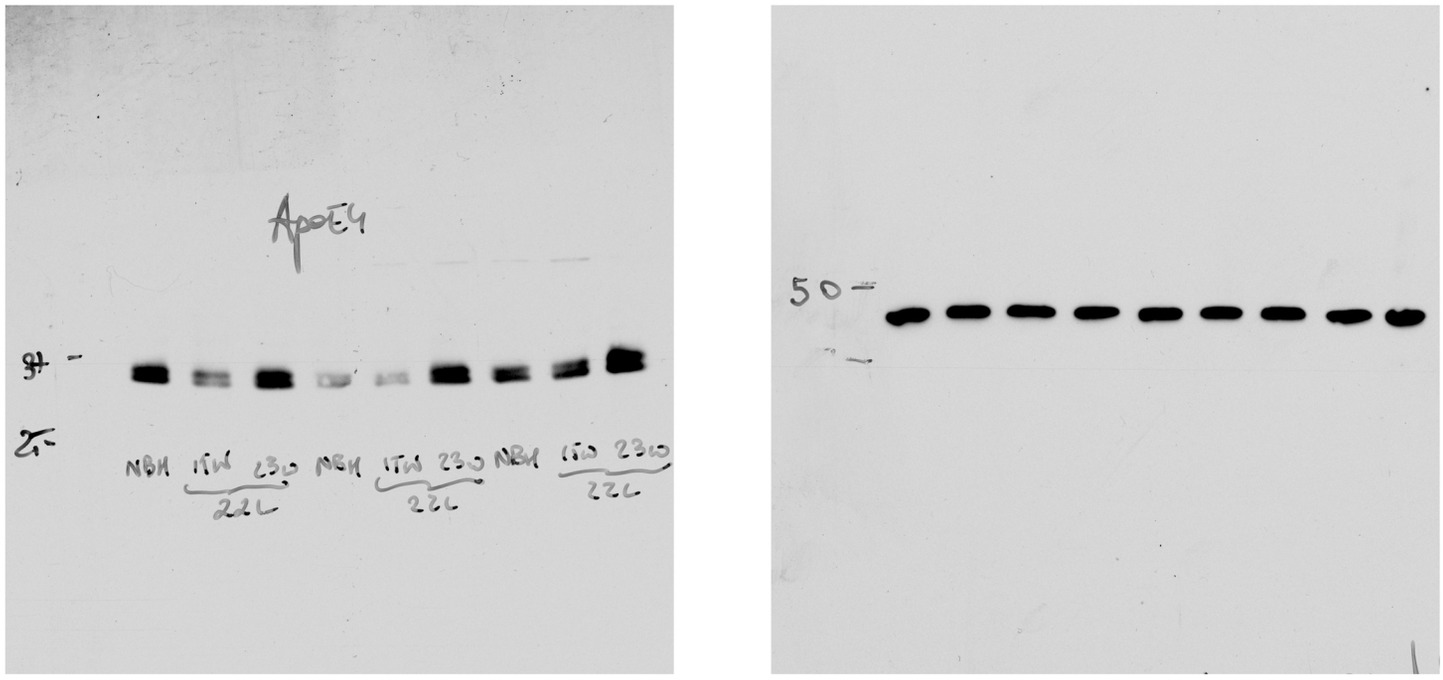
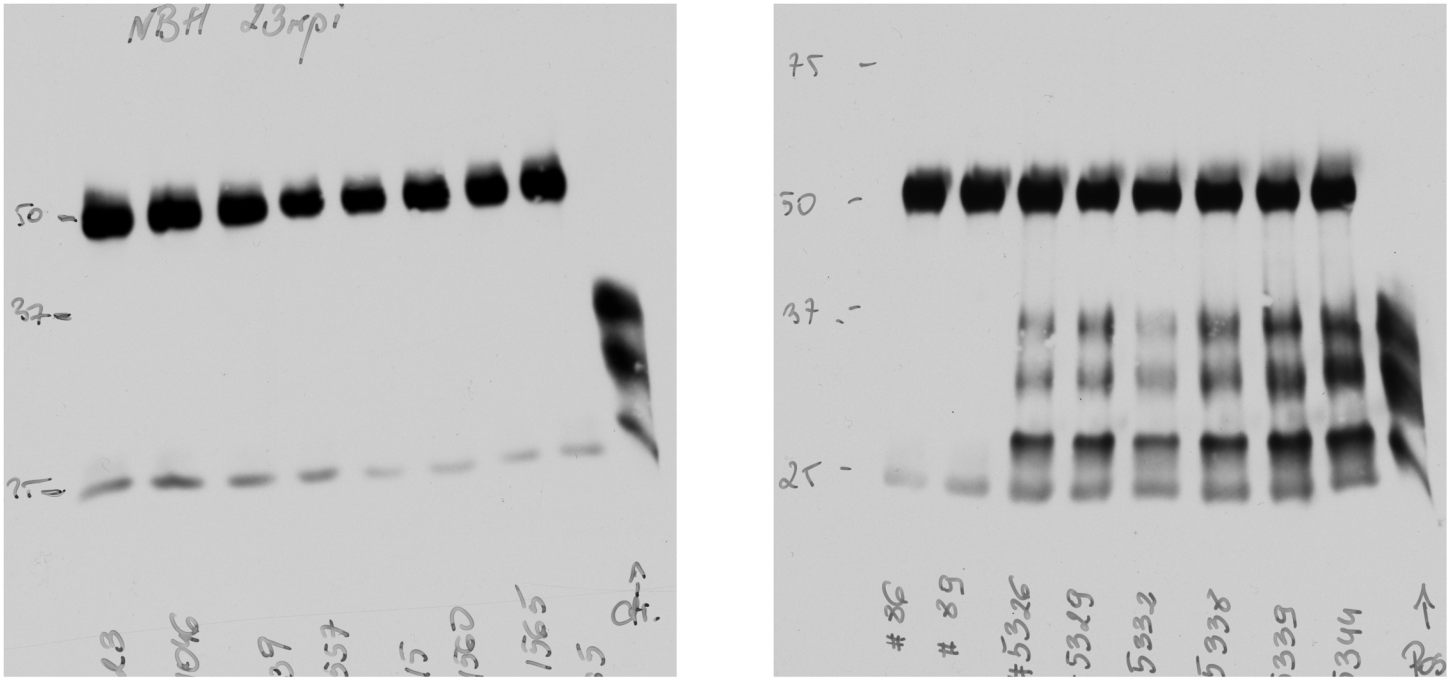


Figure S13

a



b

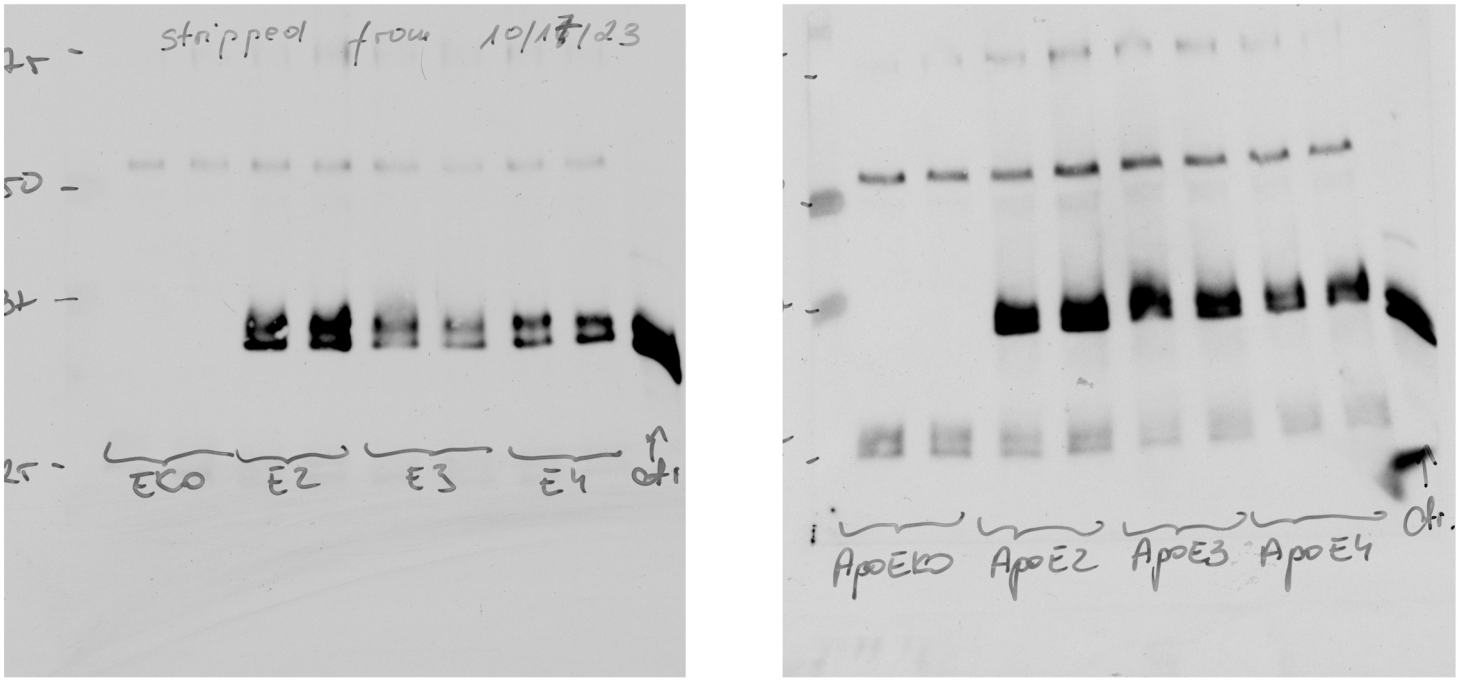
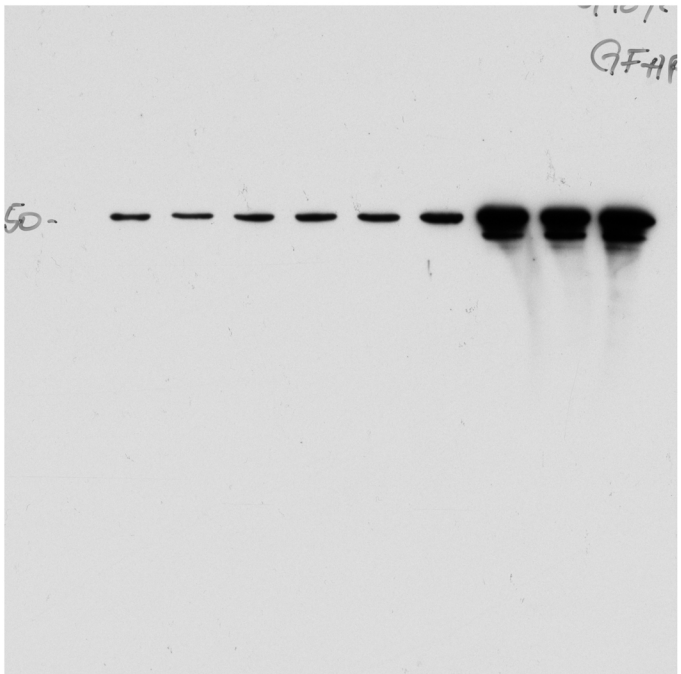


Figure S14

a



b

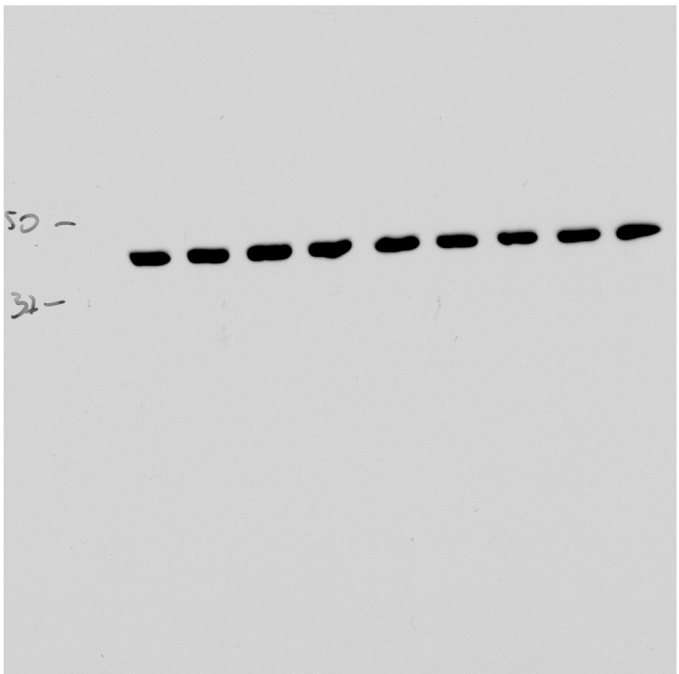


Figure S15

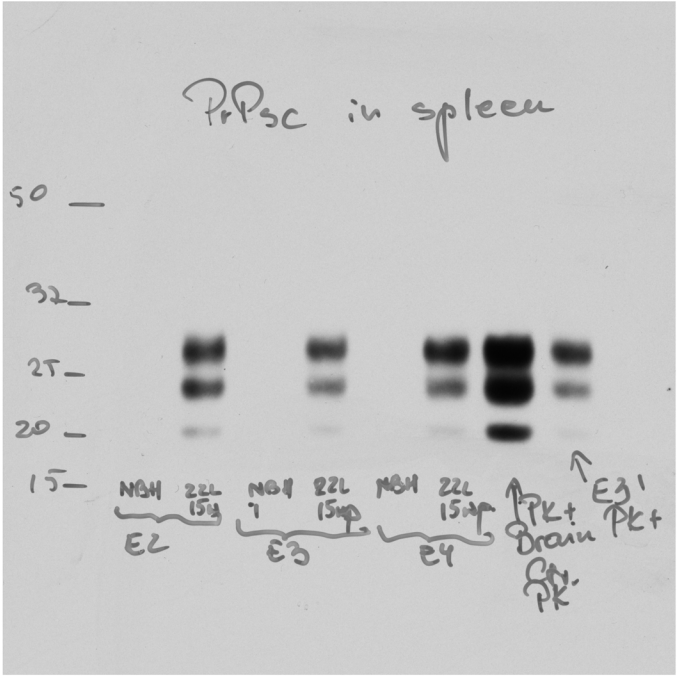

PrPSc in spleen
50
32
27
20
15
NBH
22L 15µg
NBH 1
22L 15µg
NBH
22L 15µg
PK+ Brain
E31
PK+
E2
E3
E4
PK-

Figure S10. Shown are uncropped Western immunoblots of **(a)** total PrP and β-actin, **(b)** proteinase K resistant PrP^{Sc} conformer, and **(c)** detergent insoluble and soluble PrP fractions, which were used to prepare Figures 2 a, 2 c, and 2 e, respectively.

Figure S11. Shown are uncropped Western immunoblots of PrP protein in 14 brain homogenate fractions in mice inoculated with **a)** normal brain homogenate and **(b)** 22L scrapie strain, which were used to prepare Figures 3 a and 3 b, respectively.

Figure S12. Shown are uncropped Western immunoblots of apoE protein (left panel) and β-actin (right panel) in brains of **(a)** *ε2/ε2,* **(b)** *ε3/ε3* and **(c)** *ε4/ε4* mice, which were used to prepare Figure 4 a.

Figure S13. Shown are uncropped Western immunoblots of **(a)** PrP and **(b)** apoE, which were used to prepare Figure 4 c.

Figure S14. Shown are uncropped Western immunoblots of **(a)** GFAP and **(b)** β-actin, which were used to prepare Figure 7 a.

Figure S15. Shown is uncropped Western immunoblot of proteinase K resistant PrP^{Sc} conformer in the lymphoreticular system, which was used to prepare Figure S3.