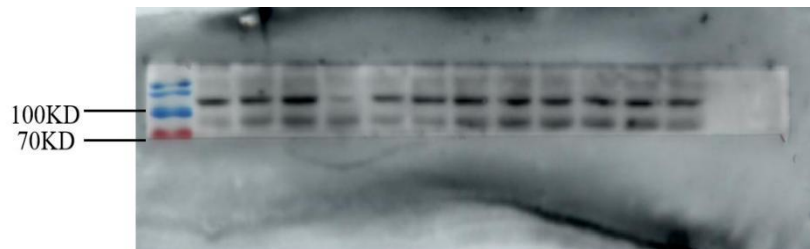


Figure 7

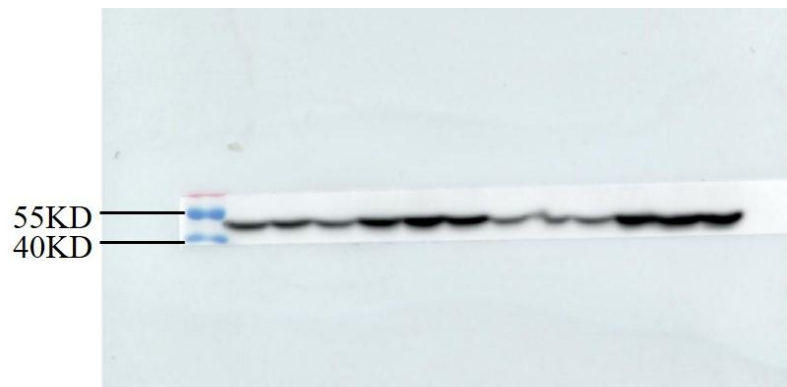
Cerebral cortex

From left to right: *Fpn1*^{flox/flox} Con 1, *Fpn1*^{flox/flox} Con 2, *Fpn1*^{flox/flox} Con 3, *Fpn1*^{flox/flox} Ips 1, *Fpn1*^{flox/flox} Ips 2, *Fpn1*^{flox/flox} Ips 3, *Fpn1*^{cdh5}-CKO Con 1, *Fpn1*^{cdh5}-CKO Con 2, *Fpn1*^{cdh5}-CKO Con 3, *Fpn1*^{cdh5}-CKO Ips 1, *Fpn1*^{cdh5}-CKO Ips 2, *Fpn1*^{cdh5}-CKO Ips 3

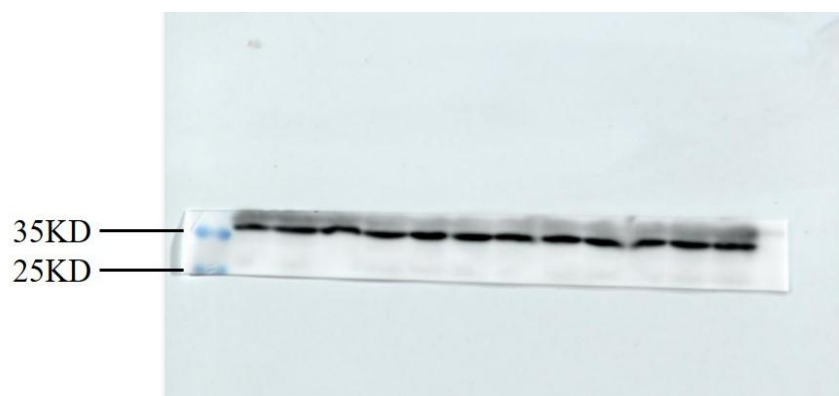
Membrane 30, Slice 1, probed with antibodies to **Ki67**



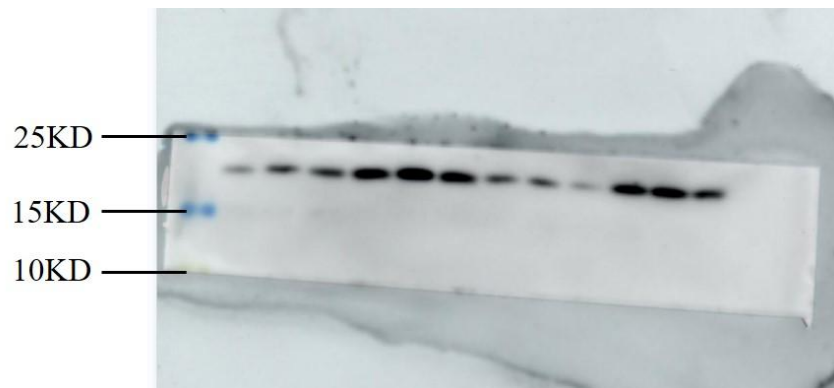
Membrane 30, Slice 2, probed with antibodies to **GFAP**



Membrane 30, Slice 3, probed with antibodies to **GAPDH**

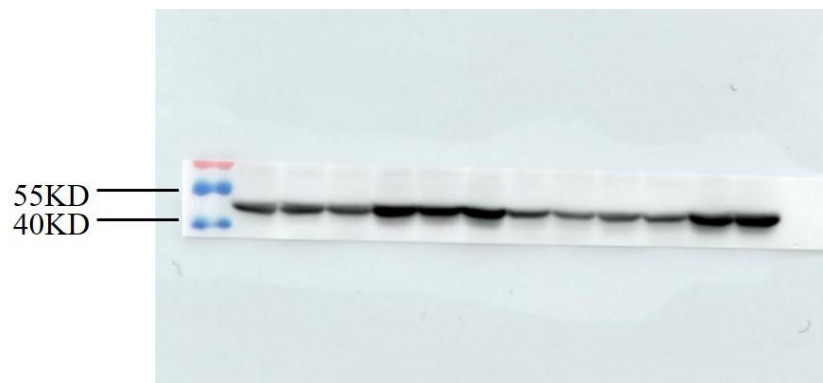


Membrane 30, Slice 4, probed with antibodies to **FtL**

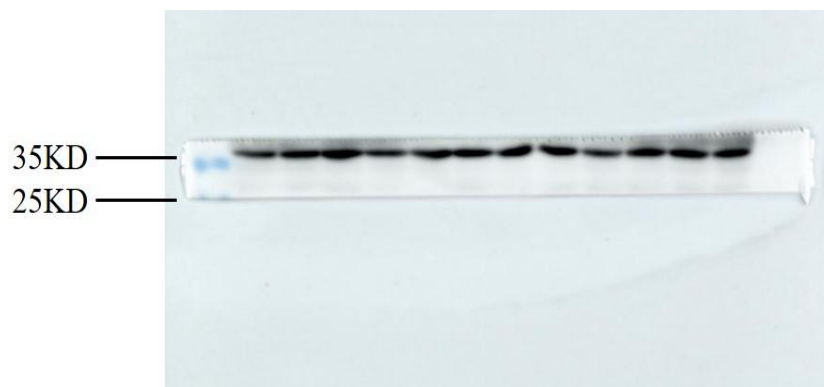


From left to right: *Fpn1*^{flox/flox} Con 4, *Fpn1*^{flox/flox} Con 5, *Fpn1*^{flox/flox} Con 6, *Fpn1*^{flox/flox} Ips 4, *Fpn1*^{flox/flox} Ips 5, *Fpn1*^{flox/flox} Ips 6, *Fpn1*^{cdh5}-CKO Con 4, *Fpn1*^{cdh5}-CKO Con 5, *Fpn1*^{cdh5}-CKO Con 6, *Fpn1*^{cdh5}-CKO Ips 4, *Fpn1*^{cdh5}-CKO Ips 5, *Fpn1*^{cdh5}-CKO Ips 6

Membrane 31, Slice 1, probed with antibodies to **GFAP**



Membrane 31, Slice 2, probed with antibodies to **GAPDH**

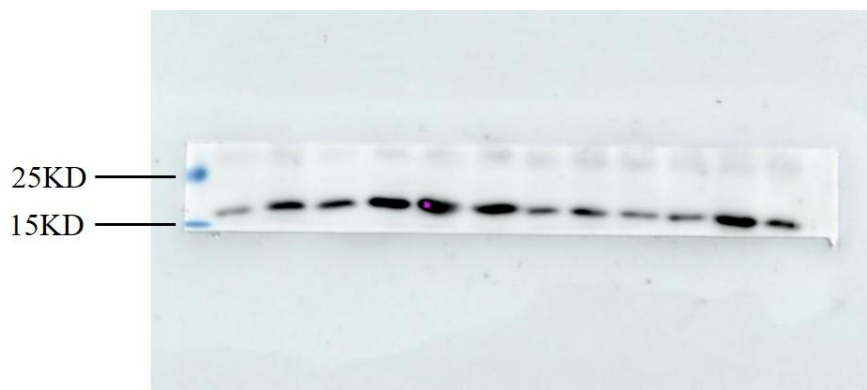


From left to right: *Fpn1*^{flox/flox} Con 4, *Fpn1*^{flox/flox} Con 5, *Fpn1*^{flox/flox} Con 6, *Fpn1*^{flox/flox} Ips 4, *Fpn1*^{flox/flox} Ips 5, *Fpn1*^{flox/flox} Ips 6, *Fpn1*^{cdh5}-CKO Con 4, *Fpn1*^{cdh5}-CKO Con 5, *Fpn1*^{cdh5}-CKO Con 6, *Fpn1*^{cdh5}-CKO Ips 4, *Fpn1*^{cdh5}-CKO Ips 5, *Fpn1*^{cdh5}-CKO Ips 6

Membrane 32, Slice 1, probed with antibodies to **GAPDH**

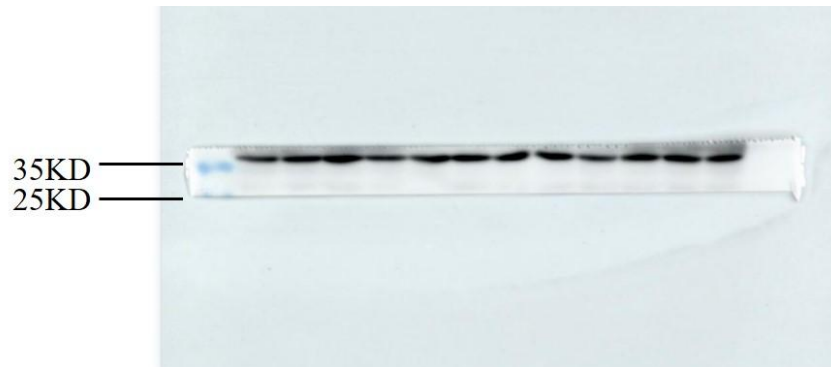


Membrane 32, Slice 2, probed with antibodies to **FtL**

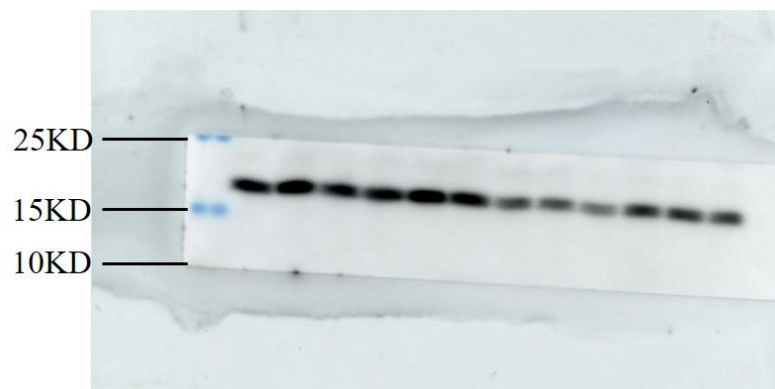


From left to right: *Fpn1*^{flx/flx} Con 1, *Fpn1*^{flx/flx} Con 2, *Fpn1*^{flx/flx} Con 3, *Fpn1*^{flx/flx} Ips 1, *Fpn1*^{flx/flx} Ips 2, *Fpn1*^{flx/flx} Ips 3, *Fpn1*^{cdh5}-CKO Con 1, *Fpn1*^{cdh5}-CKO Con 2, *Fpn1*^{cdh5}-CKO Con 3, *Fpn1*^{cdh5}-CKO Ips 1, *Fpn1*^{cdh5}-CKO Ips 2, *Fpn1*^{cdh5}-CKO Ips 3

Membrane 33, Slice 1, probed with antibodies to **GAPDH**



Membrane 33, Slice 2, probed with antibodies to **FtH**

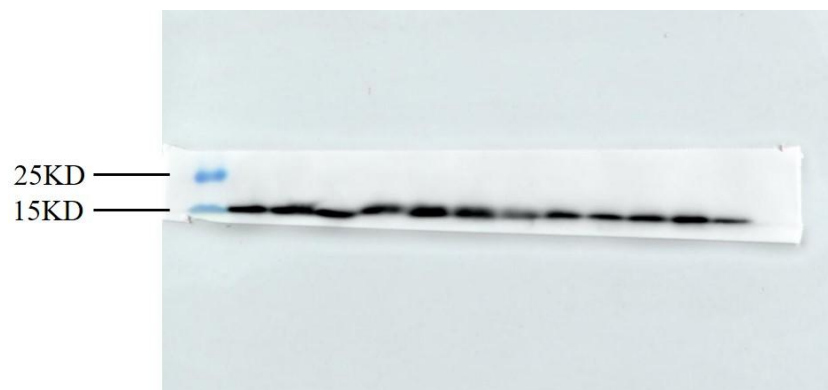


From left to right: *Fpn1*^{flox/flox} Con 4, *Fpn1*^{flox/flox} Con 5, *Fpn1*^{flox/flox} Con 6, *Fpn1*^{flox/flox} Ips 4, *Fpn1*^{flox/flox} Ips 5, *Fpn1*^{flox/flox} Ips 6, *Fpn1*^{cdh5}-CKO Con 4, *Fpn1*^{cdh5}-CKO Con 5, *Fpn1*^{cdh5}-CKO Con 6, *Fpn1*^{cdh5}-CKO Ips 4, *Fpn1*^{cdh5}-CKO Ips 5, *Fpn1*^{cdh5}-CKO Ips 6

Membrane 34, Slice 1, probed with antibodies to **GAPDH**

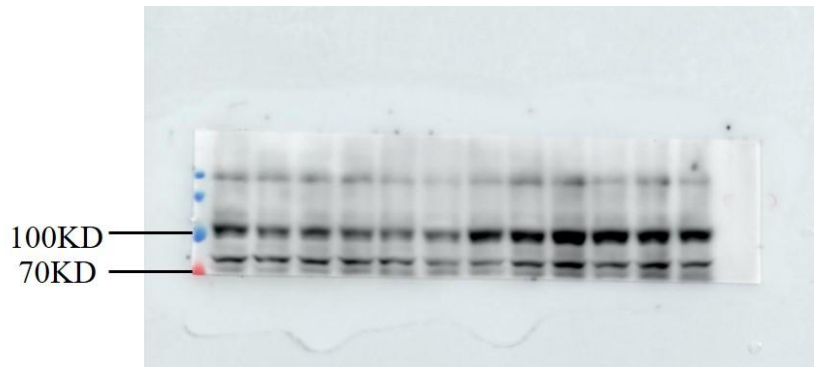


Membrane 34, Slice 2, probed with antibodies to **FtH**

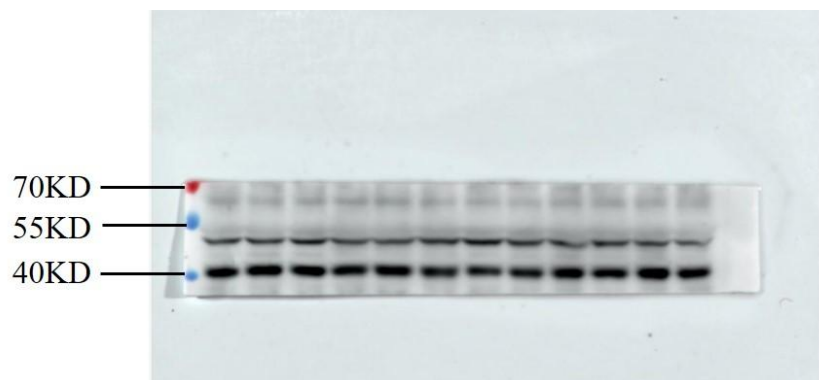


From left to right: *Fpn1*^{flox/flox} Con 1, *Fpn1*^{flox/flox} Con 2, *Fpn1*^{flox/flox} Con 3, *Fpn1*^{flox/flox} Ips 1, *Fpn1*^{flox/flox} Ips 2, *Fpn1*^{flox/flox} Ips 3, *Fpn1*^{cdh5}-CKO Con 1, *Fpn1*^{cdh5}-CKO Con 2, *Fpn1*^{cdh5}-CKO Con3, *Fpn1*^{cdh5}-CKO Ips 1, *Fpn1*^{cdh5}-CKO Ips 2, *Fpn1*^{cdh5}-CKO Ips 3

Membrane 35, Slice 1, probed with antibodies to **TfR1**



Membrane 35, Slice 2, probed with antibodies to **FPN1**



Membrane 35, Slice 3, probed with antibodies to **GAPDH**

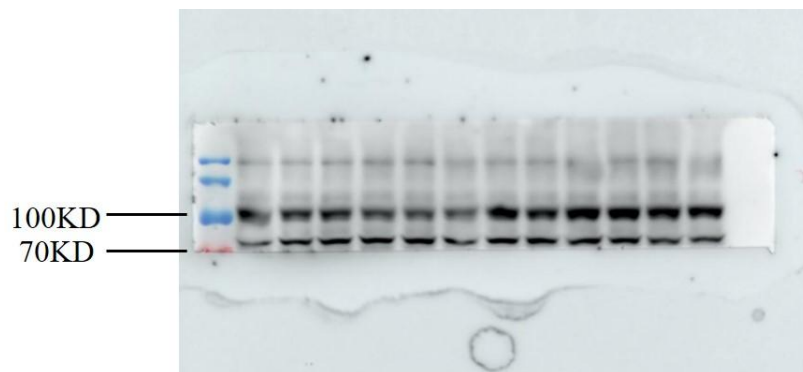


Membrane 35, **Slice 4**, probed with antibodies to **FtH**



From left to right: *Fpn1*^{flox/flox} Con 4, *Fpn1*^{flox/flox} Con 5, *Fpn1*^{flox/flox} Con 6, *Fpn1*^{flox/flox} Ips 4, *Fpn1*^{flox/flox} Ips 5, *Fpn1*^{flox/flox} Ips 6, *Fpn1*^{cdh5}-CKO Con 4, *Fpn1*^{cdh5}-CKO Con 5, *Fpn1*^{cdh5}-CKO Con 6, *Fpn1*^{cdh5}-CKO Ips 4, *Fpn1*^{cdh5}-CKO Ips 5, *Fpn1*^{cdh5}-CKO Ips 6

Membrane 36, Slice 1, probed with antibodies to **TfR1**

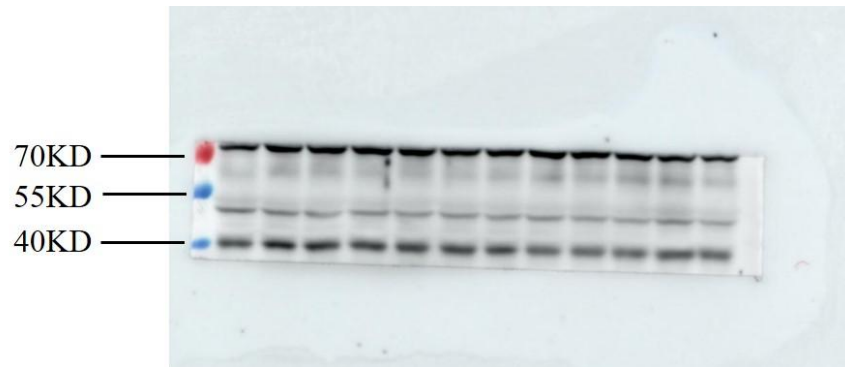


Membrane 36, Slice 2, probed with antibodies to **GAPDH**



From left to right: *Fpn1*^{flox/flox} Con 4, *Fpn1*^{flox/flox} Con 5, *Fpn1*^{flox/flox} Con 6, *Fpn1*^{flox/flox} Ips 4, *Fpn1*^{flox/flox} Ips 5, *Fpn1*^{flox/flox} Ips 6, *Fpn1*^{cdh5}-CKO Con 4, *Fpn1*^{cdh5}-CKO Con 5, *Fpn1*^{cdh5}-CKO Con 6, *Fpn1*^{cdh5}-CKO Ips 4, *Fpn1*^{cdh5}-CKO Ips 5, *Fpn1*^{cdh5}-CKO Ips 6

Membrane 37, Slice 1, probed with antibodies to **FPN1**



Membrane 37, Slice 2, probed with antibodies to **GAPDH**

