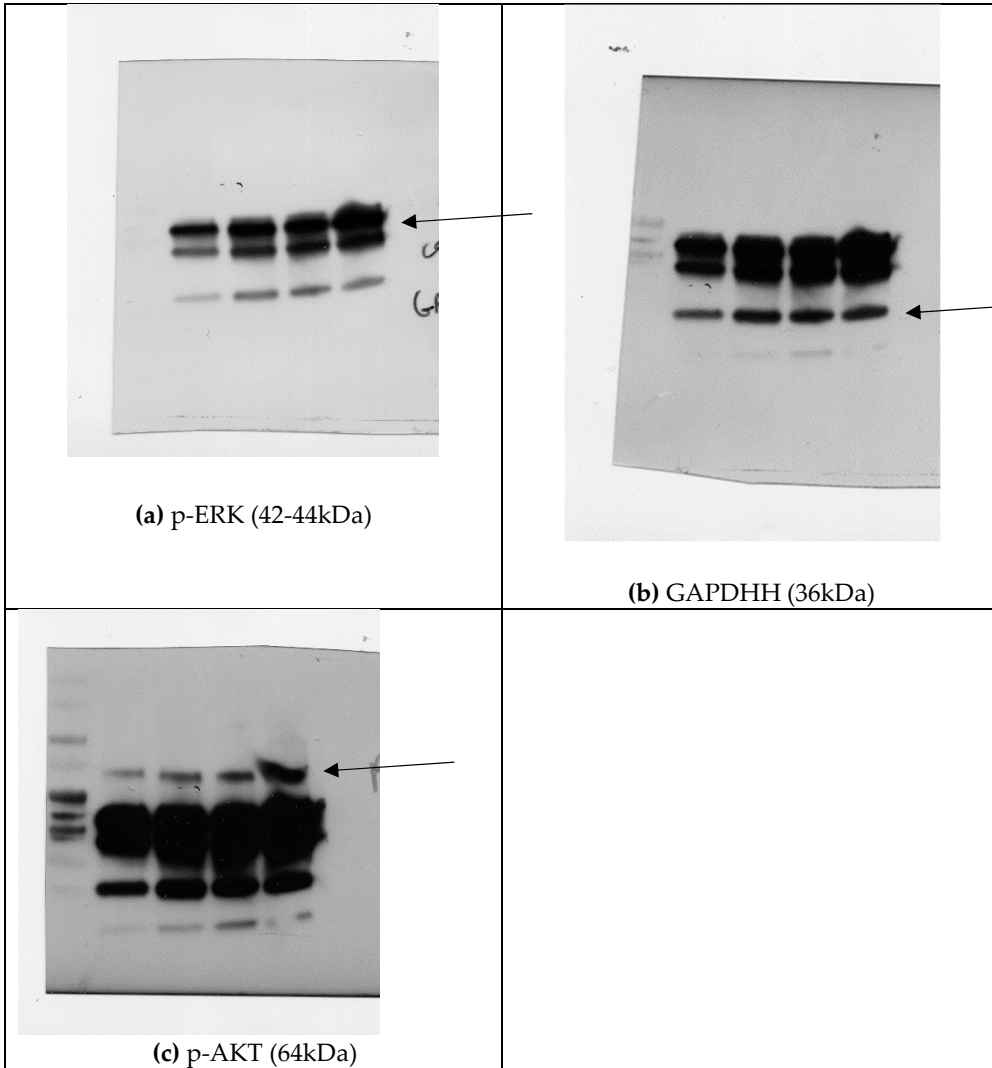
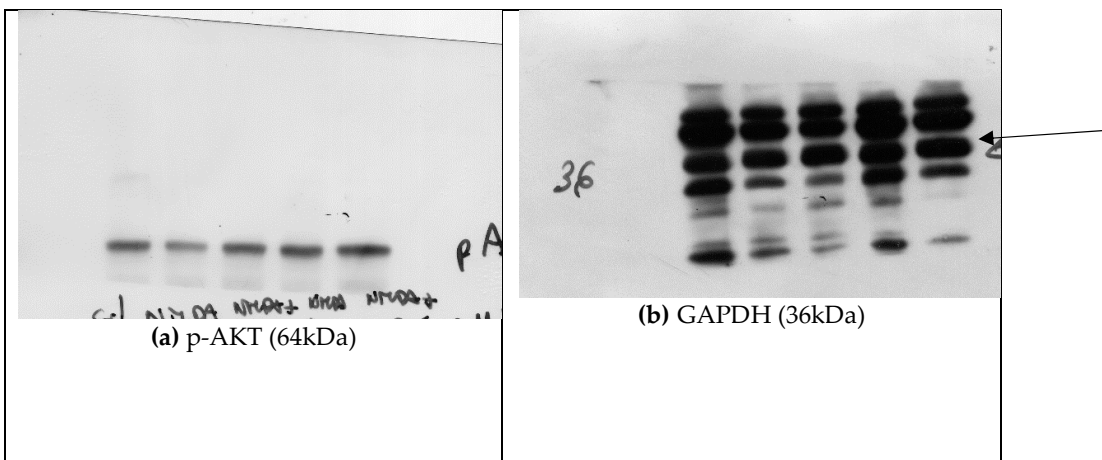


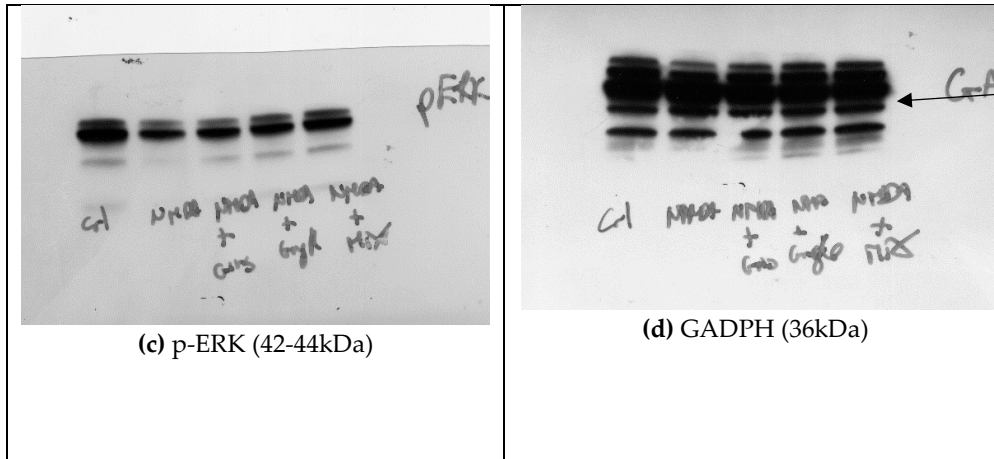


Original Western Blotting

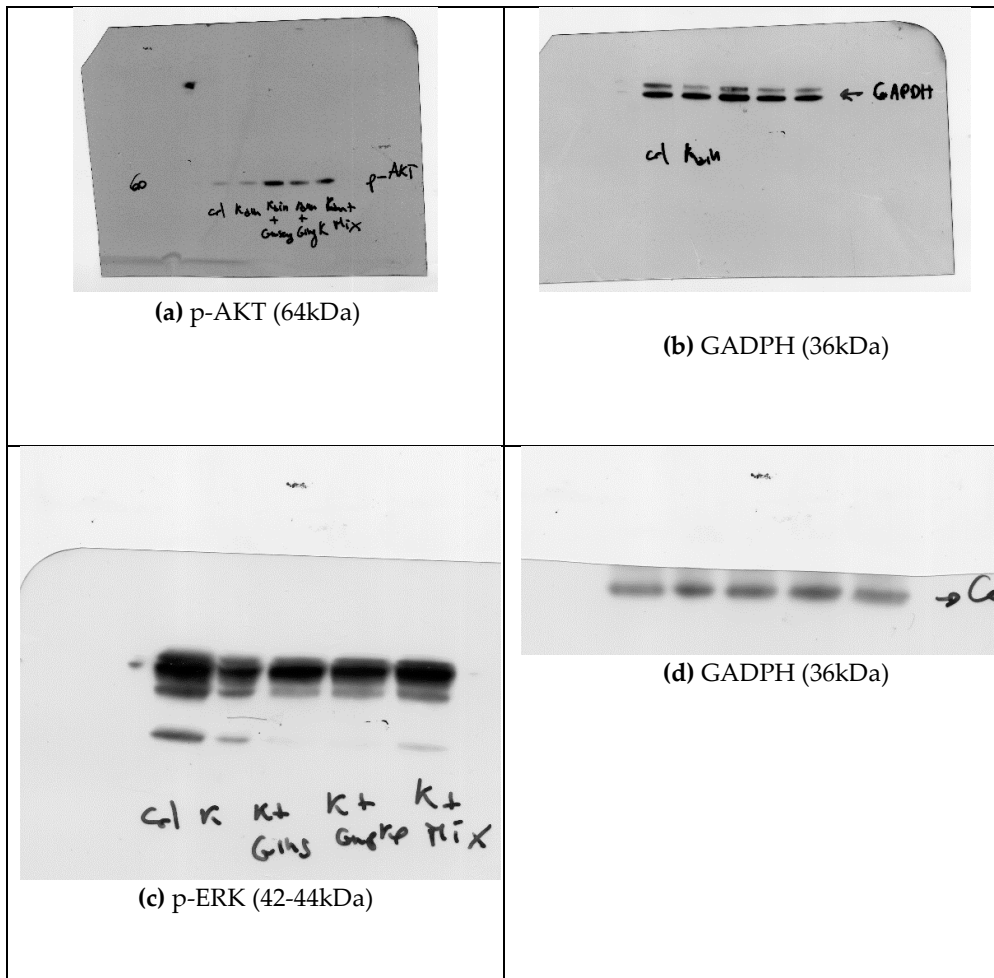


Original western blot 1 (related to Fig 7). a-b: Representative immunoblotting of p-ERK1/2 and GAPDH and in (c) of p-AKT detected in protein extracts of rat organotypic hippocampal slices. Images belong to a single immunoblot whose exposure time varied to optimize protein-antibody combination

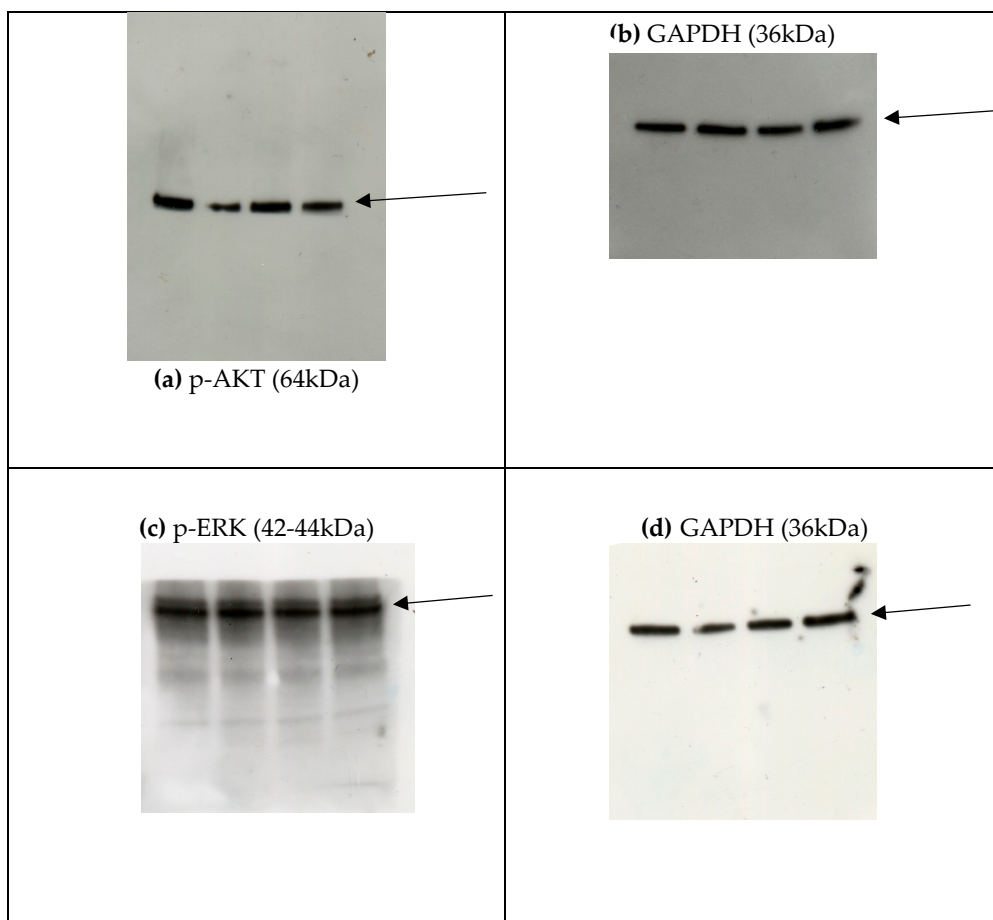




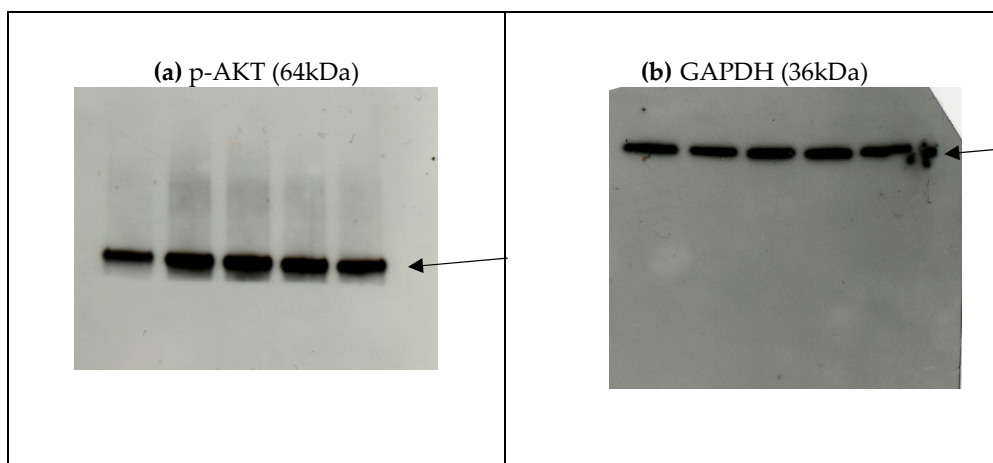
Original western blot 2 (related to Fig. 9A and Fig 9C). Representative immunoblotting p-AKT (a), and GAPDH (b) for Fig. 9A. Representative immunoblotting p-ERK1/2. (c) and GAPDH (d) for Fig 9C detected in protein extracts of of rat organotypic hippocampal slices. Image belongs to a single immunoblot whose exposure time varied to optimize protein-antibody combination.

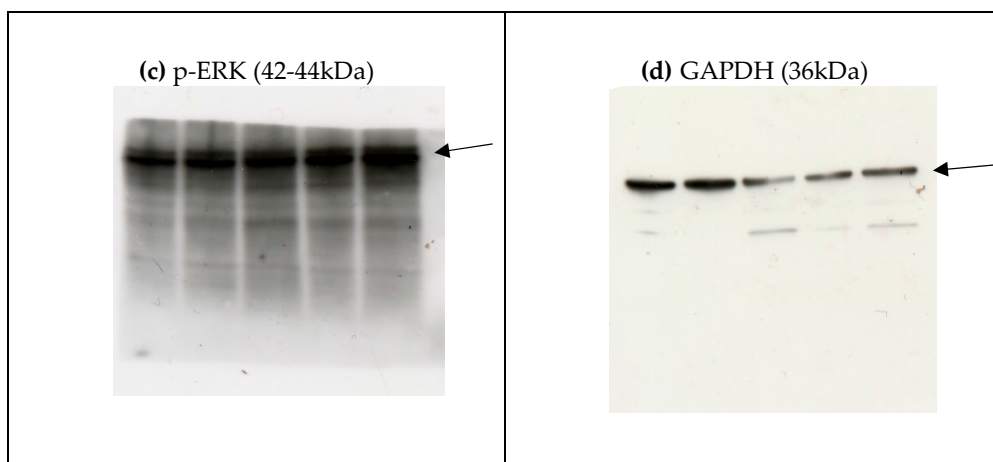


Original western blot 3 (related to Fig 10A and Fig 10 C). Representative immunoblotting p-AKT (a), and GAPDH (b) for Fig. 10 A. Representative immunoblotting p-ERK1/2. (c) and GAPDH (d) for Fig 10 B detected in protein extracts of of rat organotypic hippocampal slices Images belong to a single immunoblot whose exposure time varied to optimize protein-antibody combination.



Original western blot 4 (related to Fig. 8A and Fig 8C). Representative immunoblotting p-AKT (a), and GAPDH (b) for Fig. 8A. Representative immunoblotting p-ERK1/2. (c) and GAPDH (d) for Fig 8C detected in protein extracts of mixed cortical cells. Image belongs to a single immunoblot whose exposure time varied to optimize protein-antibody combination.





Original western blot 5 (related to Fig. 11 A and Fig 11 C). Representative immunoblotting p-AKT (a), and GAPDH (b) for Fig. 11A. Representative immunoblotting p-ERK1/2. (c) and GAPDH (d) for Fig 11C detected in protein extracts of mixed cortical cells exposed to NMDA. Image belongs to a single immunoblot whose exposure time varied to optimize protein-antibody combination.