



Anti-Pan-Neurofascin (external), NeuroMab clone A12/18

Available as TC supe (RRID:AB_10671311) and Pure IgG (RRID:AB_2282826)

Immunogen:

Lipid raft fractions isolated from adult rat brain. Target identified as Neurofascin by:

- binding to NF-186-transfected COS cells
- recognition of NF155 and NF186 but not other highly related L1 CAMs like NrCAM
- immunoprecipitation of NF155 and NF186 and confirmation by mass spectrometry
- loss of immunostaining against NF186-shRNA knockdown samples

Rat: amino acids 25-1110 (extracellular domain common to NF155 and NF186)

Mouse: 98% identity (1074/1086 amino acids identical)

Human: 79% identity (955/1195 amino acids identical)

Hybridoma kindly donated by Matthew Rasband, Baylor College of Medicine.

Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG2a

NeuroMab Applications:

Immunoblotting and Immunohistochemistry

Species Reactivity: rat, human

MW: 155, 186 kDa

Top left: immunoblot on crude membrane fractions from whole mouse (MBM) and rat (RBM) brain and from human hippocampus [HBM(H)], cerebral cortex [HBM(Cx)] and cerebellum [HBM(Cb)] probed with A12/18 (left) and N52A/42 (right) TC supe.

Top right: adult rat brain membrane immunoblot

Bottom: adult rat brain immunohistochemistry

