



Anti-Bral1, NeuroMab clone N364/42

Available as TC supe (RRID: AB_2315821)

Immunogen:

Fusion protein amino acids 28-341 (all but signal sequence) of mouse Bral1 (also known as Brain link protein 1, Hyaluronan and proteoglycan link protein 2, Hapln2 and HPLN2, accession number Q9ESM3)

Rat: 98% identity (309/314 amino acids identical)

Human: 94% identity (295/313 amino acids identical)

~50% identity with HPLN1/Crt11, HPLN3 and HPLN4/Bral2

Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG2a

NeuroMab Applications:

Immunoblot, Immunocytochemistry and Immunohistochemistry

Species Reactivity: mouse, rat

Does not cross-react with other HPLN proteins (based on KO validation results)

MW: 40 kDa

Top: immunoblot versus crude membranes from adult rat brain (RBM) and wild-type (WT) and Bral1 knockout (KO) mouse brains probed with N364/42 (left), K89/34 (middle) and N52A/42 (right) TC supe. Mouse samples courtesy of Kae-Jiun Chang and Matt Rasband (Baylor College of Medicine).

Center: adult rat hippocampal immunohistochemistry (with antigen retrieval via sodium citrate pretreatment)

Bottom: immunofluorescence staining of adult spinal cord from Bral1 wild-type (WT) and knockout (KO) mice with N364/42 (green) and β IV-spectrin rabbit polyclonal (red). Images courtesy of Kae-Jiun Chang and Matt Rasband (Baylor College of Medicine).

