



Anti-Pancortin, NeuroMab clone K96/7

Immunogen:

Synthetic peptide of amino acids 131-150 of human Pancortin (GLESKFKQVEE SHKQHLARQ, also known as Noelin, Neuronal olfactomedin-related ER localized protein, Noe1, Noel, Noel1, Olfactomedin-1, Olfm1, 1B426B and D2Sut1e, accession number Q99784)

Mouse: 95% identity (19/20 amino acids)

Rat: 95% identity (19/20 amino acids)

100% identity with isoforms Pancortin-2, Pancortin-3 and Pancortin-4

<50% identity with Noelin-2 or Noelin-3

Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG1

NeuroMab Applications:

Immunoblotting, Immunocytochemistry and Immunohistochemistry

Species Reactivity: human, mouse, rat

MW: 55-70 kDa (Pancortin-1 and -3),
15-20 kDa (Pancortin-2 and -4)

Top left: immunoblot against crude membrane fractions from whole mouse (MBM) or rat (RBM) brain and from human hippocampus [HBM(H)], cerebral cortex [HBM(Cx)] or cerebellum [HBM(Cb)] and probed with K96/7 (left) or N52A/42 (right) TC supe.

Top right: adult rat brain membrane immunoblot

Middle: immunoblot versus lysates from adult wild-type (+/+) and Pancortin knockout (-/-) mouse cortex probed with K96/7. Data courtesy of Mark Mattson (NIA/NIH) and reproduced with permission from the Journal of Neuroscience (2007 Cheng et al, PMID 17301160).

Bottom: adult rat whole brain immunohistochemistry

