



Anti-Cav3.1 Ca²⁺ channel, NeuroMab clone N178A/9

Immunogen:

Fusion protein amino acids 2052-2172 (cytoplasmic C-terminus) of mouse Cav3.1 (also known as Voltage-gated/dependent T-type calcium channel alpha-1-G subunit, Cacna1g and NBR13, accession number Q9WUT2)

Rat: 96% identity (117/121 amino acids identical)

Human: 80% identity (98/122 amino acids identical)

<30% identity with Cav3.2

Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

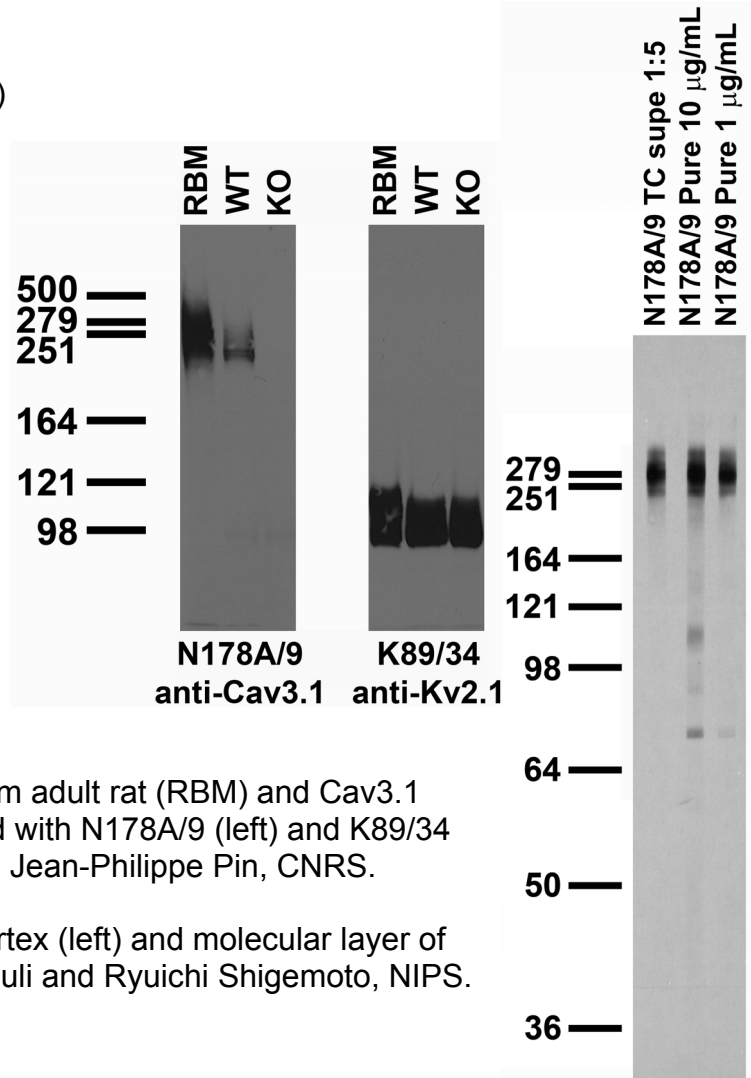
Mouse Ig Isotype: IgG1

NeuroMab Applications:

Immunoblot, Immunocytochemistry and Immunohistochemistry

Species Reactivity: mouse, rat, human

MW: >200 kDa

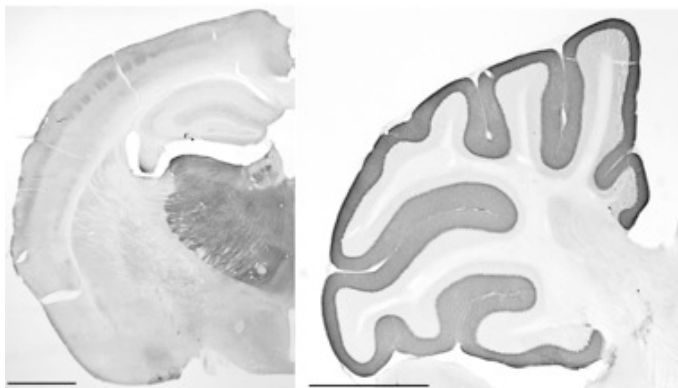


Top right: adult rat brain membrane immunoblot

Top left: immunoblot of crude brain membranes from adult rat (RBM) and Cav3.1 wild-type (WT) and knockout (KO) mice and probed with N178A/9 (left) and K89/34 (right). Mouse brains courtesy of Stefan Dubel and Jean-Philippe Pin, CNRS.

Bottom left: mouse brain staining, thalamus and cortex (left) and molecular layer of cerebellum (right). Images courtesy of Laxmi Parajuli and Ryuichi Shigemoto, NIPS.

Bottom right: adult rat brain immunohistochemistry.



Scale bars: 500 µm

