**Anti-SUR1, NeuroMab clone N289/16**

Available as TC supe (RRID: AB_11001671) & Pure IgG (RRID: AB_11001558)

Immunogen:

Fusion protein amino acids 1548-1582 (LVMVLKRGAILFDKPEKLLSQKDSVDFASFVRADK, cytoplasmic C-terminus) of rat SUR1 (also known as Sulfonylurea receptor 1, SUR, HRINS, ATP binding cassette transporter subfamily C member 8 and Abcc8, accession number Q09429)

Mouse: 100% identity (35/35 amino acids identical)

Human: 94% identity (33/35 amino acids identical)

Similar % identity with other isoforms

>70% identity with SUR2B

Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG1

NeuroMab Applications:

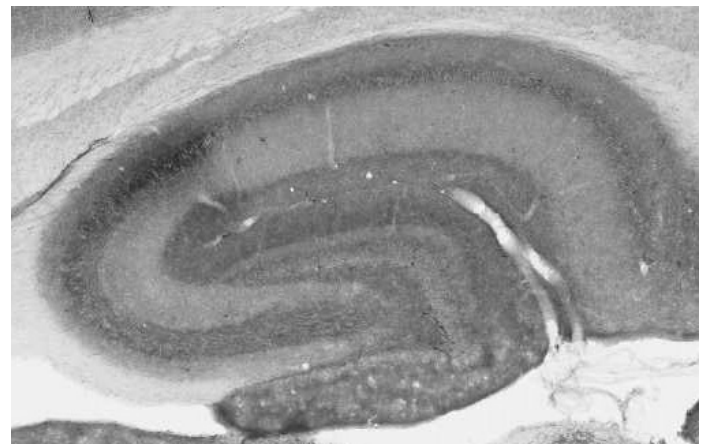
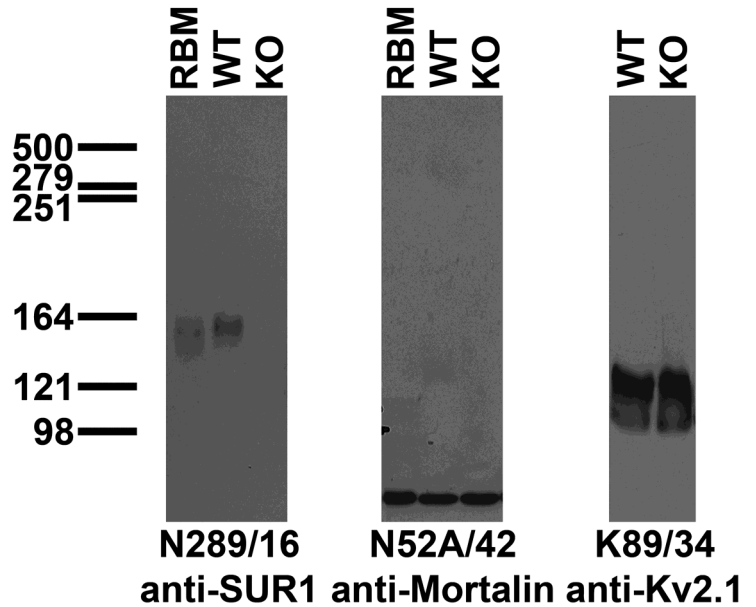
Immunoblot, Immunocytochemistry and Immunohistochemistry

Species Reactivity: rat, mouse, hamster

Does not cross-react with SUR2B

MW: 160 kDa

Immunoblot versus crude brain membrane preparations from rat (RBM), SUR1 wild-type (WT) and knockout (KO) mice and probed with N289/16 (left), N52A/42 (center) and K89/34 (right) TC supe. Mouse brains courtesy of William Coetzee and Margaret Rice, New York University Medical Center.



Adult rat hippocampus immunohistochemistry (with antigen retrieval via Na citrate pretreatment)

Immunofluorescence against SUR1 WT (left) and null mutant (right) mouse striatum and stained with N289/16 (green) and commercial antibody against Tyrosine Hydroxylase (blue). Images courtesy of Paul Witkovsky, Jyoti Patel and Margaret Rice, New York University Medical Center.

