

Anti-ASIC1, NeuroMab clone N271/44

Immunogen:

Fusion protein amino acids 460-526 (cytoplasmic C-terminus) of mouse ASIC1 (also known as Acid-sensing ion channel 1, Neuronal amiloride-sensitive cation channel 2, Brain sodium channel 2, BNaC2 and Accn2, accession number Q6NXK8)

Rat: 98% identity (66/67 amino acids identical)

Human: 97% identity (65/67 amino acids identical)

100% identity between ASIC1a and ASIC1b

<40% identity with ASIC2, ASIC3 or ASIC4

Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG1

NeuroMab Applications:

Immunoblot,

Immunocytochemistry and

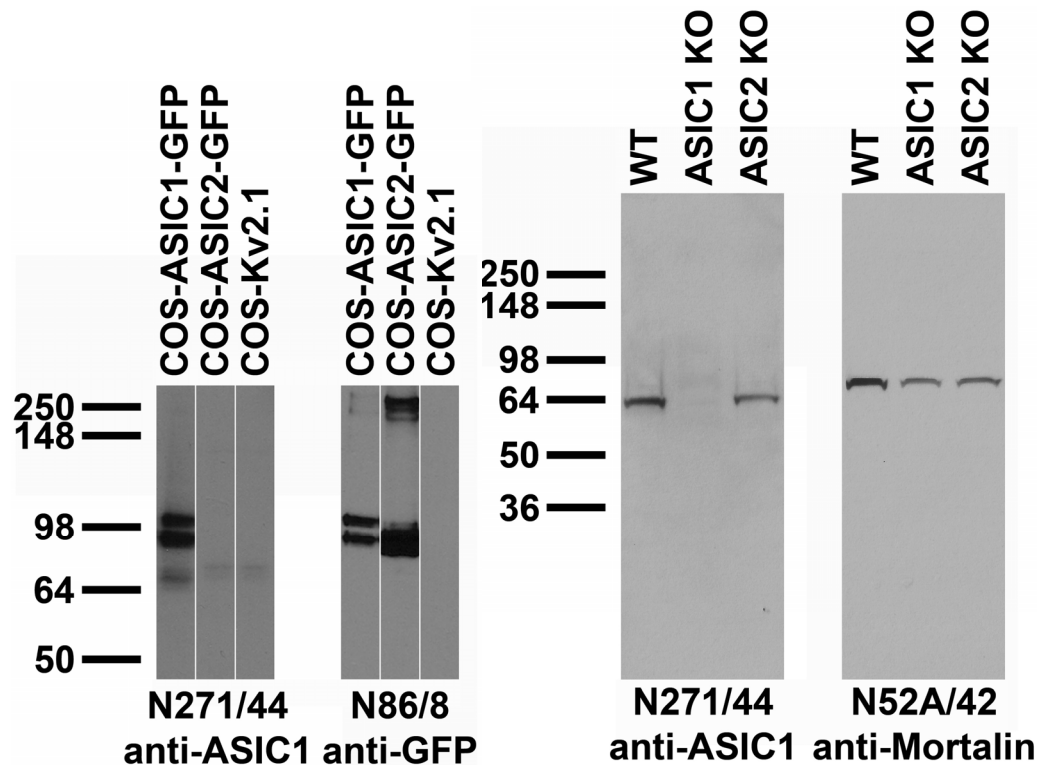
Immunohistochemistry

Species Reactivity: mouse, rat

Does not cross-react with ASIC2

MW: 60 kDa

Top left: transfected cell immunoblot: extracts of COS cells transiently transfected with GFP-tagged ASIC1, ASIC2 or untagged Kv2.1 plasmid and probed with N271/44 (left) or N86/8 (right) TC supe.



Top right: immunoblot versus whole brain lysates from adult WT, ASIC1 KO and ASIC2 KO mice probed with N271/44 (left) and N52A/42 (right) TC supe. Mouse brain samples courtesy of Julie Saugstad (Robert S. Dow Neurobiology Laboratories, Legacy Research Institute).

Bottom: adult rat brain immunohistochemistry

