

Product datasheet for 75-277

Asic1 Mouse Monoclonal Antibody [Clone ID: N271/44]

Product data:

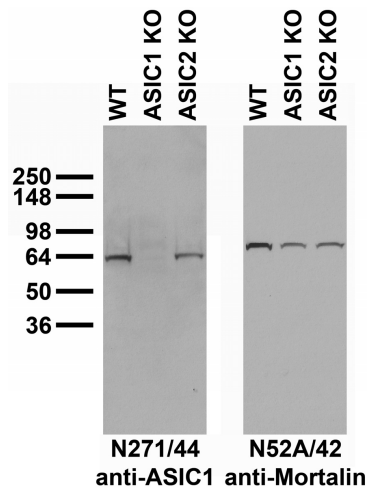
| | |
|---------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | N271/44 |
| Applications: | IF, IHC, WB |
| Recommend Dilution: | Immunoblot (IB) Immunocytochemistry (ICC) Immunohistochemistry (IHC) |
| Reactivity: | Mouse, Rat |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Fusion protein amino acids 460-526 (cytoplasmic C-terminus) of mouse ASIC1 (also known as Acidsensing 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 |
| Specificity: | Does not cross-react with ASIC2 |
| Formulation: | State: Purified |
| Gene Name: | acid-sensing (proton-gated) ion channel 1 |
| Database Link: | Entrez Gene 11419 Mouse |
| Synonyms: | BNAC2 |



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Note: USERS will cite the UC Davis/NIH NeuroMab Facility in any publication(s) describing the research utilizing the MATERIALS. The suggested acknowledgment statement is as follows: "The monoclonal antibody _ was developed by and/or obtained from the UC Davis/NIH NeuroMab Facility, supported by NIH grant U24NS050606 and maintained by the Department of Neurobiology, Physiology and Behavior, College of Biological Sciences, University of California, Davis, CA 95616."
 Also, please include the complete clone number (e.g., N52A/42) and the Antibody Registry identification number (e.g., RRID:AB_2120479) to avoid ambiguity.
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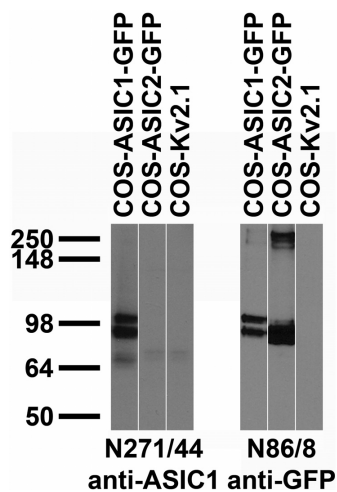
Product images:



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).



Adult rat brain immunohistochemistry



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.