

Anti-SUR1 [N289/16] Standard Size Ab02165-2.0

Variable region sequences were determined by Dr. James Trimmer at the University of California, Davis, as supported by National Institutes of Health BRAIN Initiative award U24 NS109113.

Isotype and Format: Mouse IgG2a, Kappa

Clone Number: N289/16

Alternative Name(s) of Target: N289/16R; ATP-binding cassette sub-family C member 8; Sulfonylurea receptor 1; Abcc8

UniProt Accession Number of Target Protein: Q09429

Published Application(s): WB

Published Species Reactivity: Hamster, Rat, Mouse

Immunogen: This antibody was raised by immunising BALB/c mice with a fusion protein amino acids 1548-1582 (LVMVLKRGAILFDKPEKLLSQKDSVFASFVRADK, cytoplasmic C-terminus) of rat SUR1.

Specificity: This antibody is specific for the SUR1 protein. It does not cross-react with SUR2B. SUR1 is a subunit of the beta-cell ATP-sensitive potassium channel (KATP). Regulator of ATP-sensitive K⁺ channels and insulin release.

Application Notes: The IgG1 antibody was used for western blotting on CA15 cells (Bruin et al, 2014; PMID:24257076). Immunofluorescence was preformed with the IgG1 version of this antibody on HeLa cells (Karnik et al, 2013; PMID:24392021). The IgG1 version of this antibody was used to preform western blot on COS6m cells (Li et al, 2013; PMID:23798684).

Antibody First Published in: Andrews et al. A toolbox of IgG subclass-switched recombinant monoclonal antibodies for enhanced multiplex immunolabeling of brain eLife. 2019; 8: e43322. [PMID:30667360](#)

Note on publication: This article describes the generation of a library of recombinant monoclonal antibodies (R-mAbs) from a pool of mAb-producing hybridomas for neuroscience research.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic

procedures for humans or animals.