

PANX1 Antibody (NT)

ALTERNATE NAMES:	Pannexin 1, Pannexin-1, PX1, MRS1, UNQ2529, UNQ2529/PRO6028
CATALOG #:	5308-100
AMOUNT:	100 µg
HOST:	Rabbit
ISOTYPE:	IgG1
IMMUNOGEN:	Rabbit polyclonal PANX1 antibody was raised against a 17 amino acid peptide near the amino terminus of human PANX1.
PURIFICATION:	Affinity chromatography purified via peptide column
FORMULATION:	100 µg (1 mg/ml) in 1X PBS containing 0.02 % sodium azide.
SPECIES REACTIVITY:	Human, Mouse, Rat
STORAGE CONDITIONS:	Can be stored at 4°C for three months. For long term storage, store at -20°C. Avoid freeze/thaw cycles.

DESCRIPTION:

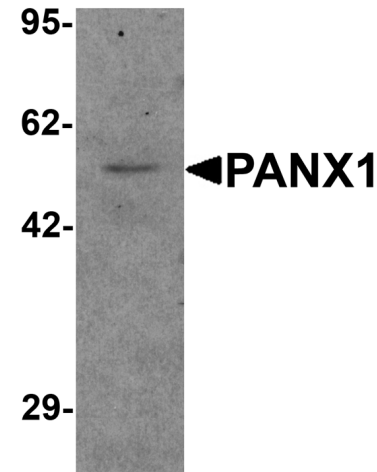
The pannexin gene family encodes a second class of putative gap junction proteins and is highly conserved in invertebrates and mammals. Pannexins (Panx) are four-pass transmembrane proteins that oligomerize to form large pore ion and metabolite-permeable channels. Pannexin-1 (PANX1) and Pannexin-3 are closely related, while Pannexin-2 is a more distant relation. PANX1 is a transmembrane protein that forms a mechanosensitive ATP-permeable channel between adjacent cells and in the endoplasmic reticulum. PANX1 may play a role as a Ca²⁺-leak channel to regulate ER Ca²⁺ homeostasis and regulates neural stem and progenitor cell proliferation.

SPECIFICITY: Two transcript variants encoding different isoforms have been found for this gene.

APPLICATION: Western Blot: 1 - 2 µg/ml, ELISA

Note: *This information is only intended as a guide. The optimal dilutions must be determined by the user*

FOR RESEARCH USE ONLY! Not to be used on humans.



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