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Datasheet for ABIN6991780
anti-PANX1 antibody (N-Term)

Overview

Quantity:	0.1 mg
Target:	PANX1
Binding Specificity:	AA 70-120, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PANX1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Rabbit polyclonal PANX1 antibody was raised against a 17 amino acid peptide near the amino terminus of human PANX1. The immunogen is located within amino acids 70 - 120 of PANX1.
Isotype:	IgG
Specificity:	Two transcript variants encoding different isoforms have been found for this gene.
Purification:	PANX1 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	PANX1
Alternative Name:	PANX1 (PANX1 Products)
Background:	PANX1 Antibody: The pannexin gene family encodes a second class of putative gap junction

Target Details

proteins and are 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.

Molecular Weight: 47 kDa

Gene ID: 24145

NCBI Accession: [NP_056183](#)

UniProt: [Q96RD7](#)

Application Details

Application Notes: PANX1 antibody can be used for detection of PANX1 by Western blot at 1 - 2 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: PANX1 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: PANX1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.