

PANX1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP17112c**Specification**

PANX1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q96RD7](#)**PANX1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 24145**Other Names**

Pannexin-1, PANX1, MRS1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PANX1 Antibody (Center) Blocking Peptide - Protein Information**Name** PANX1 ([HGNC:8599](#))**Function**

Ion channel involved in a variety of physiological functions such as blood pressure regulation, apoptotic cell clearance and oogenesis (PubMed: [16908669](http://www.uniprot.org/citations/16908669), PubMed: [20829356](http://www.uniprot.org/citations/20829356), PubMed: [30918116](http://www.uniprot.org/citations/30918116), PubMed: [15304325](http://www.uniprot.org/citations/15304325), PubMed: [20944749](http://www.uniprot.org/citations/20944749)). Forms anion-selective channels with relatively low conductance and an order of permeabilities: nitrate>iodide>chloride>>aspartate=glutamate=gluconate (By similarity). Can release ATP upon activation through phosphorylation or cleavage at C-terminus (PubMed: [32238926](http://www.uniprot.org/citations/32238926)). May play a role as a Ca(2+)- leak channel to regulate ER Ca(2+) homeostasis (PubMed: [16908669](http://www.uniprot.org/citations/16908669)).

Cellular Location

Cell membrane; Multi-pass membrane protein {ECO:0000255|PROSITE-ProRule:PRU00351}.
Endoplasmic reticulum membrane; Multi-pass membrane protein {ECO:0000255|PROSITE-ProRule:PRU00351}

Tissue Location

Widely expressed (PubMed:30918116). Highest expression is observed in oocytes and brain (PubMed:30918116). Detected at very low levels in sperm cells (PubMed:30918116)

PANX1 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

PANX1 Antibody (Center) Blocking Peptide - Images**PANX1 Antibody (Center) Blocking Peptide - Background**

The protein encoded by this gene belongs to the innexin family. Innexin family members are the structural components of gap junctions. This protein and pannexin 2 are abundantly expressed in central nerve system (CNS) and are coexpressed in various neuronal populations. Studies in *Xenopus* oocytes suggest that this protein alone and in combination with pannexin 2 may form cell type-specific gap junctions with distinct properties. [provided by RefSeq].

PANX1 Antibody (Center) Blocking Peptide - References

Chekeni, F.B., et al. Nature 467(7317):863-867(2010) Sridharan, M., et al. Am. J. Physiol. Heart Circ. Physiol. 299 (4), H1146-H1152 (2010) :Ambrosi, C., et al. J. Biol. Chem. 285(32):24420-24431(2010) Bhalla-Gehi, R., et al. J. Biol. Chem. 285(12):9147-9160(2010) Johnatty, S.E., et al. PLoS Genet. 6 (7), E1001016 (2010) :