

PANX2 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP19188b**Specification**

PANX2 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q96RD6](#)**PANX2 Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 56666

Other Names

Pannexin-2, PANX2

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.

PANX2 Antibody (C-term) Blocking Peptide - Protein InformationName PANX2 ([HGNC:8600](#))**Function**

Ion channel with a slight anion preference (PubMed:36973289). Also able to release ATP (PubMed:36869038). Plays a role in regulating neurogenesis and apoptosis in keratinocytes (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein {ECO:0000255|PROSITE-ProRule:PRU00351} Golgi apparatus membrane {ECO:0000250|UniProtKB:Q6IMP4}; Multi-pass membrane protein {ECO:0000255|PROSITE-ProRule:PRU00351}. Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q6IMP4}; Multi-pass membrane protein {ECO:0000255|PROSITE-ProRule:PRU00351}. Note=Localizes to Golgi apparatus and endoplasmic reticulum in multipotential neural stem and progenitor cells and to plasma membrane in terminally differentiated neurons. {ECO:0000250|UniProtKB:Q6IMP4}

PANX2 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

PANX2 Antibody (C-term) Blocking Peptide - Images

PANX2 Antibody (C-term) 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 1 are abundantly expressed in central nervous system (CNS) and are coexpressed in various neuronal populations. Studies in *Xenopus* oocytes suggest that this protein alone and in combination with pannexin 1 may form cell type-specific gap junctions with distinct properties. Multiple transcript variants encoding different isoforms have been found for this gene.

PANX2 Antibody (C-term) Blocking Peptide - References

Ambrosi, C., et al. J. Biol. Chem. 285(32):24420-24431(2010) Yoshida, T., et al. Int. J. Mol. Med. 25(4):649-656(2010) Oguri, M., et al. Am. J. Hypertens. 23(1):70-77(2010) Lai, C.P., et al. Oncogene 28(49):4402-4408(2009) Wu, C., et al. Proteomics 7(11):1775-1785(2007)