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PANX1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17112c

Specification

PANX1 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q96RD7
Other Accession	P60570, Q9JIP4, NP_056183.2
Reactivity	**Human**
Predicted	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**48050**
Antigen Region	**124-152**

PANX1 Antibody (Center) - Additional Information

Gene ID 24145

Other Names
Pannexin-1, PANX1, MRS1

Target/Specificity
This PANX1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 124-152 amino acids from the Central region of human PANX1.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
PANX1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

PANX1 Antibody (Center) - Protein Information

Name PANX1 (HGNC:8599)

Synonyms MRS1

Function Structural component of the gap junctions and the hemichannels involved in the ATP release and nucleotide permeation (PubMed:16908669, PubMed:20829356, PubMed:30918116). May play a role as a Ca(2+)-leak channel to regulate ER Ca(2+) homeostasis (PubMed:16908669). Plays a critical role in oogenesis (PubMed:30918116).

Cellular Location
Cell membrane; Multi-pass membrane protein {ECO:0000255|PROSITE-ProRule:PRU00351} Cell junction, gap junction. Endoplasmic reticulum membrane; Multi-pass membrane protein {ECO:0000255|PROSITE- ProRule:PRU00351}

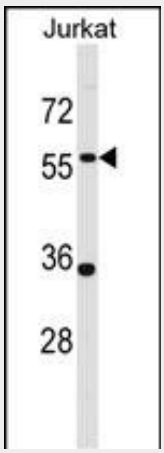
Tissue Location
Widely expressed (PubMed:30918116). Highest expression is observed in oocytes and brain (PubMed:30918116). Detected at very low levels in sperm cells (PubMed:30918116)

PANX1 Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PANX1 Antibody (Center) - Images



PANX1 Antibody (Center) (Cat. #AP17112c) western blot analysis in Jurkat cell line lysates (35ug/lane).This demonstrates the PANX1 antibody detected the PANX1 protein (arrow).

PANX1 Antibody (Center) - 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) - References

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