

Pannexin 1 Antibody
Rabbit mAb
Catalog # AP92415**Specification**

Pannexin 1 Antibody - Product Information

Application	WB, IP
Primary Accession	Q96RD7
Clonality	Monoclonal
Other Names	
innexin; MRS1; Pannexin 1; Panx1; PX1;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	48050 Da

Pannexin 1 Antibody - Additional Information

Dilution	WB~~1:1000 IP~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Pannexin 1
Description	Structural component of the gap junctions and the hemichannels. May play a role as a Ca(2+)-leak channel to regulate ER Ca(2+) homeostasis.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Pannexin 1 Antibody - 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:15304325, PubMed:16908669, PubMed:20829356, PubMed:20944749, PubMed:30918116). 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). May play a

role as a Ca^{2+} - leak channel to regulate ER Ca^{2+} homeostasis (PubMed: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

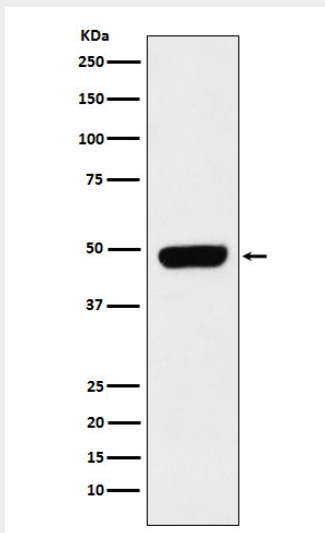
Widely expressed (PubMed:30918116). Highest expression is observed in oocytes and brain (PubMed:30918116). Detected at very low levels in sperm cells (PubMed:30918116)

Pannexin 1 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Pannexin 1 Antibody - Images



Western blot analysis of Pannexin 1 expression in Caco-2 cell lysate.