

Anti-Pannexin 1 Rabbit Monoclonal Antibody
Catalog # ABO15834**Specification**

Anti-Pannexin 1 Rabbit Monoclonal Antibody - Product Information

Application	WB, IP
Primary Accession	Q96RD7
Host	Rabbit
Isotype	IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid

Description

Anti-Pannexin 1 Rabbit Monoclonal Antibody . Tested in WB, IP applications. This antibody reacts with Human.

Anti-Pannexin 1 Rabbit Monoclonal Antibody - Additional Information

Gene ID 24145

Other Names

Pannexin-1, PANX1, Caspase-activated pannexin-1, Caspase-activated PANX1, PANX1 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=8599)
HGNC:8599

Calculated MW

48 kDa KDa

Application Details

WB 1:500-1:2000
IP 1:50

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human Pannexin 1

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-Pannexin 1 Rabbit Monoclonal 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

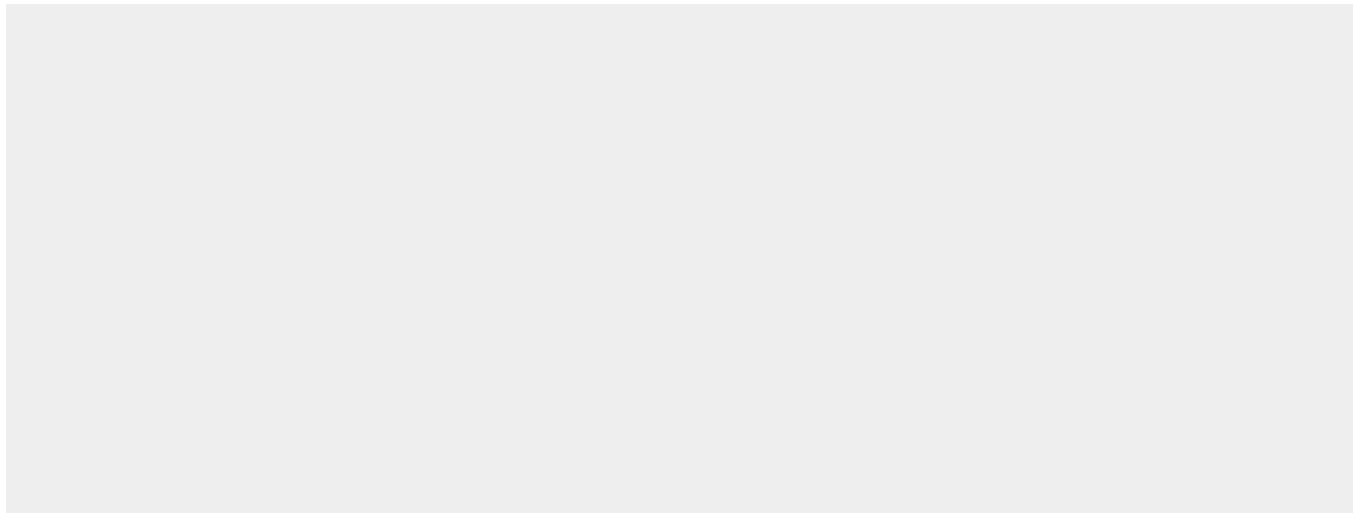
Widely expressed (PubMed:30918116). Highest expression is observed in oocytes and brain (PubMed:30918116). Detected at very low levels in sperm cells (PubMed:30918116)

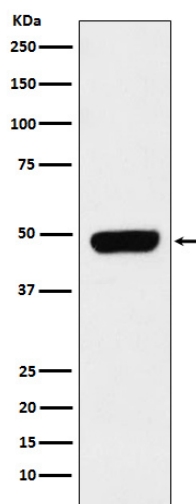
Anti-Pannexin 1 Rabbit Monoclonal Antibody - Protocols

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](#)

Anti-Pannexin 1 Rabbit Monoclonal Antibody - Images





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