10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-Pannexin 1 Rabbit Monoclonal Antibody

Catalog # ABO15834

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.

Additional Information

Gene ID	24145
Other Names	Pannexin-1, PANX1, Caspase-activated pannexin-1, Caspase-activated PANX1, PANX1 (HGNC:8599)
Calculated MW	48050
Application Details	WB 1:500-1:2000 IP 1:50
Source	Eukaryota
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.
Clone Names	Clone: 24P11
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.

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>chlroride>>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).

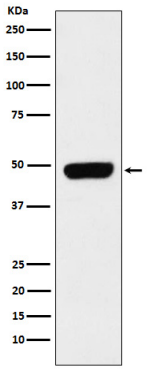
Cellular Location

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)

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.