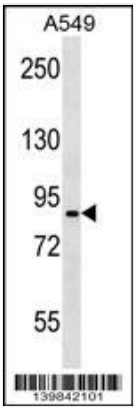
PANX2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PANX2, Polyclonal Antibody
Full Product Name	PANX2 Antibody (C-term)
Product Gene Name	anti-PANX2 antibody
Product Synonym Names	Pannexin-2; PANX2
Clonality	Polyclonal
Isotype	Rabbit Ig
Host	Rabbit
Species Reactivity	Human
Form/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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Concentration	Vial Concentration: 0.32 (lot specific)
Specificity	This PANX2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 647-677 amino acids from the C-terminal region of human PANX2.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	PANX2 peptide (MBS9224093) is used for blocking the activity of PANX2 antibody (MBS9209318)
Molecular Weight	74447
Immunogen Sequence Positions	647-677
OMIM	608421
3D Structure	ModBase 3D Structure for Q96RD6
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Product Categories/Family for anti-PANX2 antibody	Neuroscience
Applications Tested/Suitable for anti-PANX2 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-PANX2 antibody	WB~~1:1000
Related Product Information for anti-PANX2 antibody	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.

Product References and Citations for anti-PANX2 antibody	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)
Other Notes	Small volumes of anti-PANX2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PANX2 purchase	MBS9209318 is an antibody targeting PANX2. Also known as PANX2 Antibody (C-term). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-PANX2 antibody
PANX2 Antibody (C-term) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the PANX2 antibody detected the PANX2 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PANX2. It may not necessarily be applicable to this product.

NCBI GI #	237757297
NCBI GeneID	56666
NCBI Accession #	NP_001153772.1
NCBI Related Accession #	NP_443071.2
UniProt Primary Accession #	Q96RD6
UniProt Secondary Accession #	Q96RD5; Q9UGX8; B7Z684
UniProt Related Accession #	Q96RD6
GenBank Nucleotide #	NM_001160300.1
NCBI Official Full Name	pannexin-2 isoform 2
NCBI Official Synonym Full Names	pannexin 2
NCBI Official Symbol	PANX2
NCBI Official Synonym Symbols	PX2; hPANX2
UniProt Protein Name	Pannexin-2
Protein Family	Pannexin
UniProt Gene Name	PANX2
UniProt Entry Name	PANX2_HUMAN
NCBI Protein Information	pannexin-2

NCBI Summary for PANX2	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. [provided by RefSeq, May 2009]
UniProt Comments for PANX2	PANX2: Structural component of the gap junctions and the hemichannels. Belongs to the pannexin family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 22q13.33 Cellular Component: cytoplasm; plasma membrane; gap junction; integral to membrane Molecular Function: gap junction hemi-channel activity Biological Process: synaptic transmission; ion transport; transmembrane transport
Research Articles on PANX2	**1.** Data suggest that both up-regulation and down-regulation of expression of pannexins (PANX1, PANX2, PANX3) are associated with disease onset and/or progression; examples include neoplasms, multiple sclerosis, migraine, and hypertension. [REVIEW]
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