PANX3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PANX3, Polyclonal Antibody
Full Product Name	PANX3, NT (PANX3, Pannexin-3) (MaxLight 490)
Product Gene Name	anti-PANX3 antibody
Product Synonym Names	PANX3; Pannexin-3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	44,683 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (124481453..124490252). Location: 11q24.2
OMIM	608422
3D Structure	ModBase 3D Structure for Q96QZ0
Immunogen	PANX3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 2-31 amino acids from the N-terminal region of human PANX3.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-PANX3 antibody	Antibodies; Neuroscience
Applications Tested/Suitable for anti-PANX3 antibody	Western Blot (WB), FLISA
Application Notes for anti-PANX3 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-PANX3 antibody	The protein encoded by this gene belongs to the innexin family. Innexin family members are known to be the structural components of gap junctions.
Product References and Citations for anti-PANX3 antibody	Iwamoto, T., et al. J. Biol. Chem. 285(24):18948-18958(2010). Bhalla-Gehi, R., et al. J. Biol. Chem. 285(12):9147-9160(2010). Penuela, S., et al. J. Cell. Sci. 120 (PT 21), 3772-3783 (2007): Baranova, A., et al. Genomics 83(4):706-716(2004). Bruzzone, R., et al. Proc. Natl. Acad. Sci. U.S.A. 100(23):13644-13649(2003).
Other Notes	Small volumes of anti-PANX3 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 PANX3 purchase	MBS6330698 is an antibody targeting PANX3. Also known as PANX3, NT (PANX3, Pannexin-3) (MaxLight 490). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PANX3. It may not necessarily be applicable to this product.

NCBI GI #	16418453
NCBI GeneID	116337
NCBI Accession #	NP_443191.1
UniProt Primary Accession #	Q96QZ0
UniProt Related Accession #	Q96QZ0
GenBank Nucleotide #	NM_052959.2
NCBI Official Full Name	pannexin-3
NCBI Official Synonym Full Names	pannexin 3
NCBI Official Symbol	PANX3
NCBI Official Synonym Symbols	PX3
UniProt Protein Name	Pannexin-3
Protein Family	Pannexin
UniProt Gene Name	PANX3
UniProt Entry Name	PANX3_HUMAN
NCBI Protein Information	pannexin-3; gap junction protein pannexin 3
UniProt Comments for PANX3	Function: Structural component of the gap junctions and the hemichannels. Subcellular location: Cell membrane; Multi-pass membrane protein Potential. Cell junction › gap junction. Sequence similarities: Belongs to the pannexin family.
Research Articles on PANX3	**1.** The 70 kDa immunoreactive species of Panx3 highly regulated during keratinocyte differentiation was shown to most likely correspond to another Panx3 isoform.
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