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PANX3 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16688a

Product Information

Application	WB, E
Primary Accession	Q96QZ0
Other Accession	NP_443191.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB35900
Calculated MW	44683
Antigen Region	3-31

Additional Information

Gene ID	116337
Other Names	Pannexin-3, PANX3
Target/Specificity	This PANX3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 3-31 amino acids from the N-terminal region of human PANX3.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
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.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PANX3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PANX3 (HGNC:20573)
Function	Regulator of osteoblast differentiation by functioning as a Ca(2+) channel in the endoplasmic reticulum which regulates calmodulin (CaM) pathways. Allows ATP release into the extracellular space and activation or purinergic

receptors.

Cellular Location Cell membrane {ECO:0000250|UniProtKB:Q8CEG0}; Multi-pass membrane protein {ECO:0000255|PROSITE-ProRule:PRU00351} Cell junction, gap junction {ECO:0000250|UniProtKB:Q8CEG0}. Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q8CEG0}; Multi-pass membrane protein {ECO:0000255|PROSITE-ProRule:PRU00351}

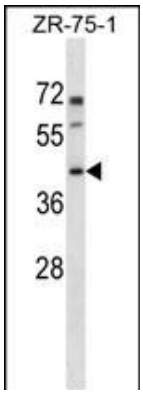
Background

The protein encoded by this gene belongs to the innexin family. Innexin family members are known to be the structural components of gap junctions.

References

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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)

Images



PANX3 Antibody (N-term) (Cat. #AP16688a) western blot analysis in ZR-75-1 cell line lysates (35ug/lane).This demonstrates the PANX3 antibody detected the PANX3 protein (arrow).

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