

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
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 of 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}

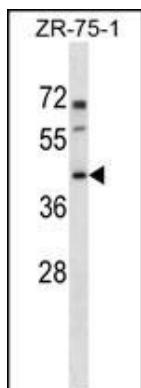
Background

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

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)
Penuelas, 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'.