

PANX3 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16688a

Specification

PANX3 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O96QZ0
Other Accession	NP_443191.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	44683
Antigen Region	3-31

PANX3 Antibody (N-term) - 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.

PANX3 Antibody (N-term) - 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

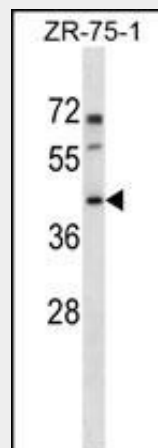
Cell membrane {ECO:0000250|UniProtKB:Q8CEG0}; Multi-pass membrane protein {ECO:0000255|PROSITE-ProRule:PRU00351} Cell junction, gap junction {ECO:0000250|UniProtKB:Q8CEG0}. Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q8CEG0}; Multi-pass membrane protein {ECO:0000255|PROSITE-ProRule:PRU00351}

PANX3 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PANX3 Antibody (N-term) - 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).

PANX3 Antibody (N-term) - 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.

PANX3 Antibody (N-term) - 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)
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)