

PITPNB Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12982b

Specification

PITPNB Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	P48739
Other Accession	P53812 , P53811 , Q9TR36 , NP_036531.1
Reactivity	Human
Predicted	Bovine, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	31540
Antigen Region	226-254

PITPNB Antibody (C-term) - Additional Information

Gene ID 23760

Other Names

Phosphatidylinositol transfer protein beta isoform, PI-TP-beta, PtdIns transfer protein beta, PtdInsTP beta, PITPNB

Target/Specificity

This PITPNB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 226-254 amino acids from the C-terminal region of human PITPNB.

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

PITPNB Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PITPNB Antibody (C-term) - Protein Information

Name PITPNB

Function Catalyzes the transfer of phosphatidylinositol and phosphatidylcholine between membranes (PubMed:[10531358](#), PubMed:[18636990](#), PubMed:[20332109](#)). Also catalyzes the transfer of sphingomyelin (By similarity). Required for COPI-mediated retrograde transport from the Golgi to the endoplasmic reticulum; phosphatidylinositol and phosphatidylcholine transfer activity is essential for this function (PubMed:[20332109](#)).

Cellular Location

Golgi apparatus {ECO:0000250|UniProtKB:P53811}. Golgi apparatus membrane {ECO:0000250|UniProtKB:P53812}. Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:P53812}

Tissue Location

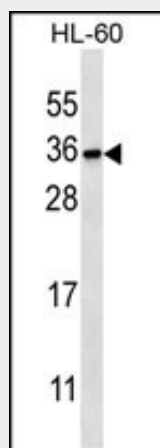
Widely expressed in various tissues including brain

PITPNB Antibody (C-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](#)

PITPNB Antibody (C-term) - Images



PITPNB Antibody (C-term) (Cat. #AP12982b) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the PITPNB antibody detected the PITPNB protein (arrow).

PITPNB Antibody (C-term) - Background

The protein encoded by this gene is found in the cytoplasm, where it catalyzes the transfer of phosphatidylinositol and phosphatidylcholine between membranes.

PITPNB Antibody (C-term) - References

Carvou, N., et al. J. Cell. Sci. 123 (PT 8), 1262-1273 (2010) :

Morgan, C.P., et al. Biochem. J. 398(3):411-421(2006)

Colland, F., et al. Genome Res. 14(7):1324-1332(2004)

Collins, J.E., et al. Genome Biol. 5 (10), R84 (2004) :

Segui, B., et al. Biochem. J. 366 (PT 1), 23-34 (2002) :

PITPNB Antibody (C-term) - Citations

- [Immunohistochemical detection of C9orf72 protein in frontotemporal lobar degeneration and motor neurone disease: patterns of immunostaining and an evaluation of commercial antibodies.](#)