10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PITPNB Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12982b

Product Information

Application	WB, E
Primary Accession	P48739
Other Accession	P53812, P53811, Q9TR36, NP_036531.1
Reactivity	Human
Predicted	Bovine, Mouse, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32505
Calculated MW	31540
Antigen Region	226-254

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.

Protein Information

Name	PITPNB (HGNC:9002)
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	Cytoplasm, cytosol {ECO:0000250|UniProtKB:P53812}. Golgi apparatus membrane {ECO:0000250|UniProtKB:P53812}; Peripheral membrane protein {ECO:0000250|UniProtKB:P53812}; Cytoplasmic side {ECO:0000250|UniProtKB:P53812}. Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:P53812}; Peripheral membrane protein {ECO:0000250|UniProtKB:P53812}; Cytoplasmic side {ECO:0000250|UniProtKB:P53812}. Golgi apparatus {ECO:0000250|UniProtKB:P53811}. Note=Primarily cytosolic in its closed conformation, it becomes enriched on Golgi and endoplasmic reticulum membranes in its open state, where it mediates lipid transfer {ECO:0000250|UniProtKB:P53812}
Tissue Location	Widely expressed in various tissues including brain

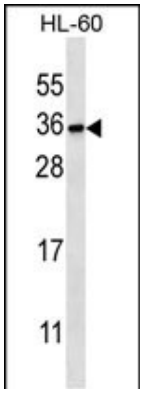
Background

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

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) :

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).

Citations

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

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