

# 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

HostRabbitClonalityPolyclonalIsotypeRabbit IgGClone NamesRB32505Calculated MW31540Antigen Region226-254

## **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

**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

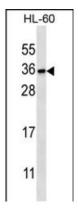
# **Background**

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'.