

PITPNB Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50704**Specification**

PITPNB Antibody - Product Information

Application	WB
Primary Accession	P48739
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32 KDa
Antigen Region	235-266

PITPNB Antibody - Additional Information**Gene ID** 23760**Other Names**

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

Dilution

WB~~1:1000

Format

Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

Storage Conditions

-20°C

PITPNB Antibody - 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}

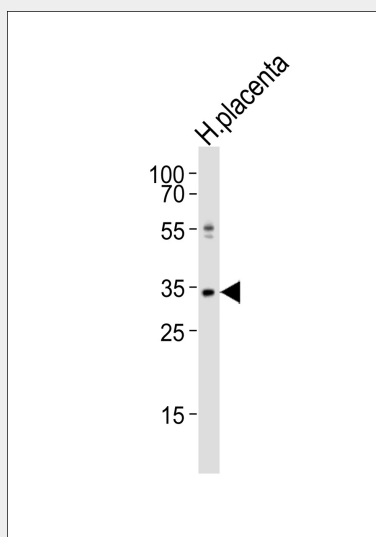
Tissue Location

Widely expressed in various tissues including brain

PITPNB Antibody - 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 - Images

Western blot analysis of lysate from human placenta tissue lysate, using PITPNB Antibody (AP50704). AP50704 was diluted at 1:1000. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

PITPNB Antibody - Background

Catalyzes the transfer of PtdIns and phosphatidylcholine between membranes.

PITPNB Antibody - References

Tanaka S., et al. Biochim. Biophys. Acta 1259:199-202 (1995).
Collins J.E., et al. Genome Biol. 5:R84.1-R84.11 (2004).
Dunham I., et al. Nature 402:489-495 (1999).
Choudhary C., et al. Science 325:834-840 (2009).
Burkard T.R., et al. BMC Syst. Biol. 5:17-17 (2011).