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Anti-PI-TP beta Antibody

Catalog # AP59822

Product Information

Application	WB
Primary Accession	P48739
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	31540

Additional Information

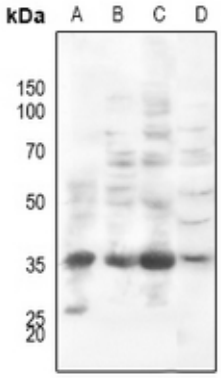
Gene ID	23760
Other Names	Phosphatidylinositol transfer protein beta isoform; PI-TP-beta; PtdIns transfer protein beta; PtdInsTP beta
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human PI-TP beta. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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

Images



Western blot analysis of PI-TP beta expression in HEK293T (A), Hela (B), HepG2 (C), rat heart (D) whole cell lysates. (Predicted band size: 31 kD; Observed band size: 32 kD)

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