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PITPβ Polyclonal Antibody

Catalog # AP71921

Product Information

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

Additional Information

Gene ID	23760
Other Names	PITPNB; Phosphatidylinositol transfer protein beta isoform; PI-TP-beta; PtdIns transfer protein beta; PtdInsTP beta
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications. E~~N/A IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

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

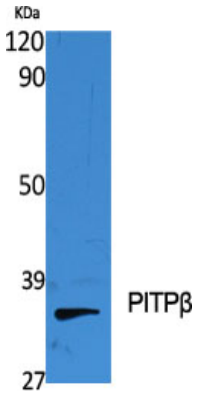
{ECO:0000250|UniProtKB:P53812}

Tissue Location Widely expressed in various tissues including brain

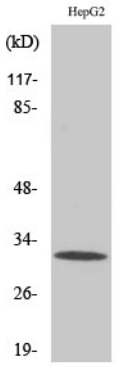
Background

Catalyzes the transfer of PtdIns and phosphatidylcholine between membranes.

Images



Western Blot analysis of various cells using PITPβ Polyclonal Antibody diluted at 1：2000



Western Blot analysis of HepG2 cells using PITPβ Polyclonal Antibody diluted at 1：2000

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