

PITPNM1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP17243a

Product Information

Application	WB, E
Primary Accession	O00562
Other Accession	NP_004901.2 , NP_001124320.1
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37045
Calculated MW	134848
Antigen Region	143-171

Additional Information

Gene ID	9600
Other Names	Membrane-associated phosphatidylinositol transfer protein 1, Drosophila retinal degeneration B homolog, Phosphatidylinositol transfer protein, membrane-associated 1, PITPnm 1, Pyk2 N-terminal domain-interacting receptor 2, NIR-2, PITPNM1, DRES9, NIR2, PITPNM
Target/Specificity	This PITPNM1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 143-171 amino acids from the N-terminal region of human PITPNM1.
Dilution	WB~~1:500 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	PITPNM1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PITPNM1
Synonyms	DRES9, NIR2, PITPNM

Function	Catalyzes the transfer of phosphatidylinositol (PI) between membranes (PubMed: 10531358 , PubMed: 22822086). Binds PI, phosphatidylcholine (PC) and phosphatidic acid (PA) with the binding affinity order of PI > PA > PC (PubMed: 22822086). Regulates RHOA activity, and plays a role in cytoskeleton remodeling (PubMed: 11909959). Necessary for normal completion of cytokinesis (PubMed: 15125835). Plays a role in maintaining normal diacylglycerol levels in the Golgi apparatus (PubMed: 15723057). Necessary for maintaining the normal structure of the endoplasmic reticulum and the Golgi apparatus (PubMed: 15545272). Required for protein export from the endoplasmic reticulum and the Golgi (PubMed: 15723057). Binds calcium ions (PubMed: 10022914).
Cellular Location	Cytoplasm. Golgi apparatus, Golgi stack membrane; Peripheral membrane protein. Endoplasmic reticulum membrane; Peripheral membrane protein. Lipid droplet. Cleavage furrow. Midbody Note=Peripheral membrane protein associated with Golgi stacks in interphase cells. A minor proportion is associated with the endoplasmic reticulum. Associated with lipid droplets (PubMed:12225667) Dissociates from the Golgi early on in mitosis and localizes to the cleavage furrow and midbody during cytokinesis (PubMed:15125835)
Tissue Location	Ubiquitous..

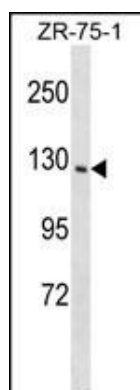
Background

PITPNM1 belongs to a family of membrane-associated phosphatidylinositol transfer domain-containing proteins that share homology with the Drosophila retinal degeneration B (rdgB) protein (Ocaka et al., 2005 [PubMed 15627748]).

References

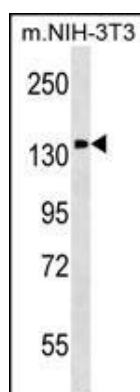
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Ocaka, L., et al. Cytogenet. Genome Res. 108(4):293-302(2005)

Images



PITPNM1 Antibody (N-term) (Cat. #AP17243a) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the PITPNM1 antibody detected the PITPNM1 protein (arrow).

PITPNM1 Antibody (N-term) (Cat. #AP17243a) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane). This demonstrates the PITPNM1 antibody detected the PITPNM1 protein (arrow).



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