

PITPNM1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17243a

Specification

PITPNM1 Antibody (N-term) - Product Information

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

PITPNM1 Antibody (N-term) - 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.

PITPNM1 Antibody (N-term) - 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)

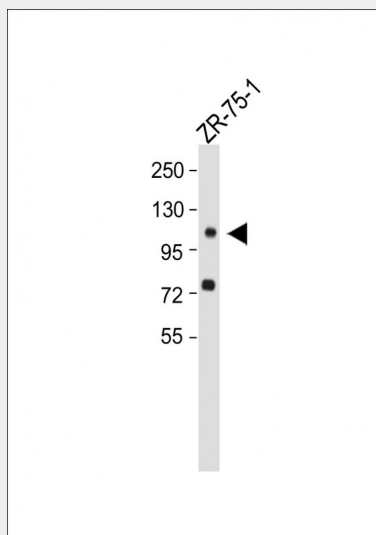
Tissue Location

Ubiquitous..

PITPNM1 Antibody (N-term) - 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](#)

PITPNM1 Antibody (N-term) - Images

Anti-PITPNM1 Antibody (N-term) at dilution + ZR-75-1 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 130kDa Blocking/Dilution buffer: 5% NFDM/TBST.

PITPNM1 Antibody (N-term) - 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]).

PITPNM1 Antibody (N-term) - References

Burgis, N.E., et al. J. Biol. Chem. 282(6):3531-3538(2007)
Olsen, J.V., et al. Cell 127(3):635-648(2006)
Litvak, V., et al. Nat. Cell Biol. 7(3):225-234(2005)
Amarilio, R., et al. J. Biol. Chem. 280(7):5934-5944(2005)
Ocaka, L., et al. Cytogenet. Genome Res. 108(4):293-302(2005)