

For Research Use Only

# PITPNM2/NIR3 Polyclonal antibody, PBS Only



Catalog Number: 21169-1-PBS

## Basic Information

<b>Catalog Number:</b> 21169-1-PBS	<b>GenBank Accession Number:</b> BC141813	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 57605	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9BZ72	
<b>Isotype:</b> IgG	<b>Full Name:</b> phosphatidylinositol transfer protein, membrane-associated 2	
<b>Immunogen Catalog Number:</b> AG15385	<b>Calculated MW:</b> 1349 aa, 149 kDa	

## Applications

**Tested Applications:**  
IHC, Indirect ELISA

**Species Specificity:**  
human, mouse

## Background Information

PITPNM2, also known as NIR3, belongs to a family of membrane-associated phosphatidylinositol transfer domain-containing proteins that share homology with the Drosophila retinal degeneration B (rdgB) protein (PMID: 15627748). PITPNM2/NIR3 promotes both TCR $\beta$  selection and positive selection in thymocytes. PITPNM2/NIR3 is required for PIP2 replenishment and TCR-induced calcium signaling in response to weak TCR stimulation (PMID: 36581712).

## Storage

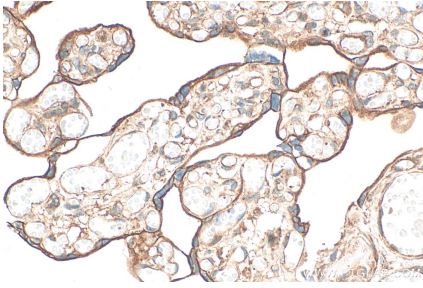
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

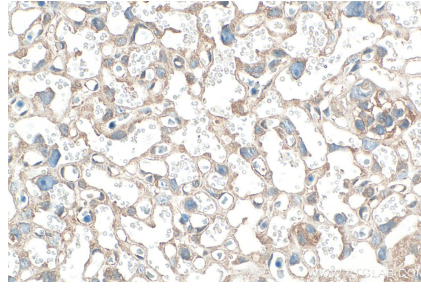
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 21169-1-AP (PITPNM2 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 21169-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse placenta tissue slide using 21169-1-AP (PITPNM2 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 21169-1-PBS in a different storage buffer formulation.