

Rabbit Nir2/PITPNM1 Polyclonal Antibody | anti-Nir2/PITPNM1 antibody

Anti-Nir2/PITPNM1 Antibody Picoband

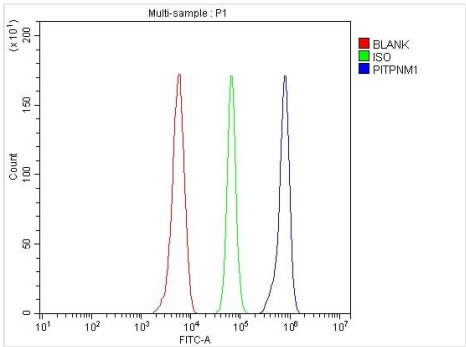
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127503	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

Nir2/PITPNM1; Polyclonal Antibody; Anti-Nir2/PITPNM1 Antibody Picoband; anti-Nir2/PITPNM1 antibody

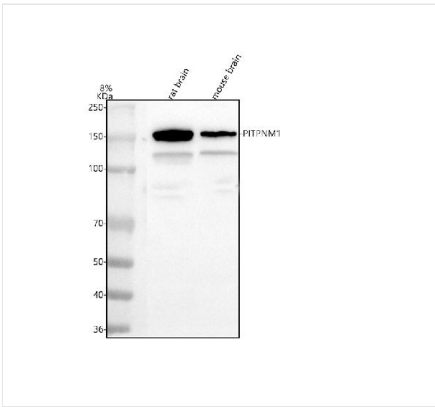
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-Nir2/PITPNM1 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human Nir2/PITPNM1 recombinant protein (Position: E418-R831). Human PITPNM1 shares 88.9% and 89.9% amino acid (aa) sequence identity with mouse and rat PITPNM1, respectively.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of Raji cells using anti-Nir2/PITPNM1 antibody (AAA127503).Overlay histogram showing Raji cells stained with AAA127503 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Nir2/PITPNM1 Antibody (AAA127503, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



WB (Western Blot)

Figure 1. Western blot analysis of Nir2/PITPNM1 using anti-Nir2/PITPNM1 antibody (AAA127503).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: rat brain tissue lysates,Lane 2: mouse brain tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Nir2/PITPNM1 antigen affinity purified polyclonal antibody (#AAA127503) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Nir2/PITPNM1 at approximately 150 kDa. The expected band size for Nir2/PITPNM1 is at 135 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-Nir2/PITPNM1 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-Nir2/PITPNM1 antibody	Primary Antibodies
References	1. Chang, J. T., Milligan, S., Li, Y., Chew, C. E., Wiggs, J., Copeland, N. G., Jenkins, N. A., Campochiaro, P. A., Hyde, D. R., Zack, D. J. Mammalian homolog of Drosophila retinal degeneration B rescues the mutant fly phenotype. J. Neurosci. 17: 5881-5890, 1997. 2. Lev, S., Hernandez, J., Martinez, R., Chen, A., Plowman, G., Schlessinger, J. Identification of a novel family of targets of PYK2 related to Drosophila retinal degeneration B (rdgB) protein. Molec. Cell. Biol. 19: 2278-2288, 1999.3. Litvak, V., Tian, D., Carmon, S., Lev, S. Nir2, a human homolog of Drosophila melanogaster retinal degeneration B protein, is essential for cytokinesis. Molec. Cell. Biol. 22: 5064-5075, 2002.

NCBI AND UNIPROT INFORMATION

NCBI GeneID	9600
UniProt Accession #	O00562
UniProt Protein Name	Membrane-associated phosphatidylinositol transfer protein 1
UniProt Gene Name	PITPNM1
UniProt Synonym Gene Names	DRES9; NIR2; PITPNM
UniProt Entry Name	PITM1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

