

Rabbit PNLIPRP2 Polyclonal Antibody | anti-PNLIPRP2 antibody

Anti-PNLIPRP2 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127691	Rabbit	Human, Mouse, Rat	Western Blot, Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, ELISA

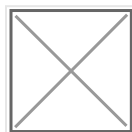
PRODUCT SYNONYMS

PNLIPRP2; Polyclonal Antibody; Anti-PNLIPRP2 Antibody Picoband; interleukin 17B; Interleukin-17B; IL-17B; Cytokine CX1; Cytokine-like protein ZCYTO7; Neuronal interleukin-17-related factor; Il17b; Nirf; Zcyto7; anti-PNLIPRP2 antibody

PRODUCT SPECIFICATIONS

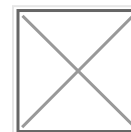
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Expressed in adult pancreas, small intestine, stomach, spinal cord and testis. Less pronounced expression in prostate, colon mucosal lining, and ovary.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Applicable Applications for anti-PNLIPRP2 antibody	WB (Western Blot), IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), ELISA
Immunogen	E coli-derived human PNLIPRP2 recombinant protein (Position: D30-C469).
Subcellular Localization	Secreted
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Stimulates the release of tumor necrosis factor alpha and IL-1-beta from the monocytic cell line THP-1.
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.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of HeLa cells using anti-PNLIPRP2 antibody (AAA127691).Overlay histogram showing HeLa cells stained with AAA127691 (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-PNLIPRP2 Antibody (AAA127691, 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 (Red line) was also used as a control.



IF (Immunofluorescence)

Figure 2. IF analysis of PNLIPRP2 using anti-PNLIPRP2 antibody (AAA127691).PNLIPRP2 was detected in an immunocytochemical section of U2OS cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-PNLIPRP2 Antibody (AAA127691) overnight at 4 degree C. DyLight594 Conjugated Goat Anti-Rabbit IgG (BA1142) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of PNLIPRP2 using anti-PNLIPRP2 antibody (AAA127691). 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 pancreas tissue lysates, Lane 2: mouse pancreas 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-PNLIPRP2 antigen affinity purified polyclonal antibody (#AAA127691) 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 PNLIPRP2 at approximately 52 kDa. The expected band size for PNLIPRP2 is at 52 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PNLIPRP2 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-PNLIPRP2 antibody	Primary Antibodies; Cytokines; Immunology; Innate Immunity; Interleukins
References	1. Giller, T., Buchwald, P., Blum-Kaelin, D., Hunziker, W. Two novel human pancreatic lipase related proteins, hPLRP1 and hPLRP2: differences in colipase dependence and in lipase activity. J. Biol. Chem. 267: 16509-16516, 1992. 2. Grusby, M. J., Nabavi, N., Wong, H., Dick, R. F., Bluestone, J. A., Schotz, M. C., Glimcher, L. H. Cloning of an interleukin-4 inducible gene from cytotoxic T lymphocytes and its identification as a lipase. Cell 60: 451-459, 1990. 3. Zhang, J., Kaasik, K., Blackburn, M. R., Lee, C. C. Constant darkness is a circadian metabolic signal in mammals. Nature 439: 340-343, 2006.

NCBI AND UNIPROT INFORMATION

NCBI GI #	106507261
NCBI GeneID	5408
NCBI Accession #	NP_005387.2
NCBI GenBank Nucleotide #	NM_005396.4
UniProt Accession #	P54317; Q6IB55; A8K627
Molecular Weight	51,947 Da
NCBI Official Full Name	pancreatic lipase-related protein 2
NCBI Official Synonym Full Names	pancreatic lipase-related protein 2
NCBI Official Symbol	PNLIPRP2
NCBI Official Synonym Symbols	PLRP2
NCBI Protein Information	pancreatic lipase-related protein 2; PL-RP2; galactolipase; OTTHUMP00000218565
UniProt Protein Name	Pancreatic lipase-related protein 2
UniProt Gene Name	PNLIPRP2
UniProt Synonym Gene Names	PLRP2
UniProt Entry Name	LIPR2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/pnliprp2-antibody-western-blot-immunofluorescence-immunocytochemistry-flow-cytometry-elisa/127691>