

Rabbit PXK Polyclonal Antibody | anti-PXK antibody

Anti-PXK Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127456	Rabbit	Human, Monkey	Western Blot, Immunofluorescence, Immunocytochemistry, ELISA

PRODUCT SYNONYMS

PXK; Polyclonal Antibody; Anti-PXK Antibody Picoband; BAG family molecular chaperone regulator 5; C-C motif chemokine ligand 16 ; C-C motif chemokine 16; Chemokine CC-4; HCC-4; Chemokine LEC; IL-10-inducible chemokine; LCC-1; Liver-expressed chemokine; Lymphocyte and monocyte chemoattractant; LMC; Monotactin-1; MTN-1; NCC-4; Small-inducible cytokine A16; CCL16; ILINCK; NCC4; SCYA16; anti-PXK antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Monkey
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mainly expressed in liver, also found in spleen and thymus.Highly expressed in LPS- and IFN-gamma- activated monocytes, weakly in some lymphocytes, including natural killer cells, gamma-delta T-cells, and some T-cell clones.
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-PXK antibody	WB (Western Blot), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Immunogen	E coli-derived human PXK recombinant protein (Position: E5-K576).
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	Shows chemotactic activity for lymphocytes and monocytes but not neutrophils. Also shows potent myelosuppressive activity, suppresses proliferation of myeloid progenitor cells. Recombinant SCYA16 shows chemotactic activity for monocytes and THP-1 monocytes, but not for resting lymphocytes and neutrophils. Induces a calcium flux in THP-1 cells that were desensitized by prior expression to RANTES.
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



IF (Immunofluorescence)

Figure 2. IF analysis of PXX using anti-PXX antibody (AAA127456).PXX was detected in an immunocytochemical section of A549 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-PXX Antibody (AAA127456) overnight at 4 degree C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) 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 PXX using anti-PXX antibody (AAA127456).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: human Jurkat whole cell lysates,Lane 2: monkey COS-7 whole cell 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-PXX antigen affinity purified polyclonal antibody (#AAA127456) at 0.25ug/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 PXX at approximately 65 kDa. The expected band size for PXX is at 65 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PXX 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-PXX antibody	Primary Antibodies; Angiogenesis; Cardiovascular; Chemokines; Cytokines; Immunology; Innate Immunity; Macrophage/Inflammation
References	1. Mao, H., Ferguson, T. S., Cibulsky, S. M., Holmqvist, M., Ding, C., Fei, H., Levitan, I. B. MONaKA, a novel modulator of the plasma membrane Na,K-ATPase. J. Neurosci. 25: 7934-7943, 2005. 2. Zou, X., Qiu, G., Chen, C., Wu, M., Hu, Y., Zheng, H., Li, X., Gu, S., Ji, C., Mao, Y. Expression pattern and subcellular localization of five splice isoforms of human PXX. Int. J. Molec. Med. 16: 701-707, 2005.

NCBI AND UNIPROT INFORMATION

NCBI GI #	31543452
NCBI GeneID	54899
NCBI Accession #	NP_060241
NCBI GenBank Nucleotide #	NM_017771
UniProt Accession #	Q7Z7A4; Q3BCH4; Q3BCH5; Q3BCH6; Q3BDW1; Q45L83; Q59EX3; Q6PK17; Q6ZN39; Q96CA3; Q96R07; Q9NXB8
Molecular Weight	55,762 Da
NCBI Official Full Name	PX domain-containing protein kinase-like protein isoform 1
NCBI Official Synonym Full Names	PX domain containing serine/threonine kinase
NCBI Official Symbol	PXX
NCBI Official Synonym Symbols	MONaKA
NCBI Protein Information	PX domain-containing protein kinase-like protein; PX ser/thr kinase v2; PX serine/threonine kinase; PXX; modulator of Na,K-ATPase long form
UniProt Protein Name	PX domain-containing protein kinase-like protein
UniProt Gene Name	PXX
UniProt Synonym Gene Names	MONaKA
UniProt Entry Name	PXX_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/pxk-antibody-western-blot-immunofluorescence-immunocytochemistry-elisa/127456>