

Rabbit KEPI/PPP1R14C Polyclonal Antibody | anti-KEPI/PPP1R14C antibody

Anti-KEPI/PPP1R14C Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127688	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

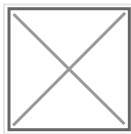
KEPI/PPP1R14C; Polyclonal Antibody; Anti-KEPI/PPP1R14C Antibody Picoband; interleukin 17B; Interleukin-17B; IL-17B; Cytokine CX1; Cytokine-like protein ZCYTO7; Neuronal interleukin-17-related factor; Il17b; Nirf; Zcyto7; anti-KEPI/PPP1R14C antibody

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-KEPI/PPP1R14C antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human KEPI/PPP1R14C recombinant protein (Position: H67-V165).
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.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of 293T cells using anti-KEPI/PPP1R14C antibody (AAA127688).Overlay histogram showing 293T cells stained with AAA127688 (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-KEPI/PPP1R14C Antibody (AAA127688, 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.



WB (Western Blot)
Figure 1. Western blot analysis of KEPI/PPP1R14C using anti-KEPI/PPP1R14C antibody (AAA127688).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 293T whole cell lysates,Lane 2: human K562 whole cell lysates,Lane 3: rat H9C2(2-1) whole cell lysates,Lane 4: mouse NIH/3T3 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-KEPI/PPP1R14C antigen affinity purified polyclonal antibody (#AAA127688) 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 KEPI/PPP1R14C at approximately 20 kDa. The expected band size for KEPI/PPP1R14C is at 20 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-KEPI/PPP1R14C 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-KEPI/PPP1R14C antibody	Primary Antibodies ; Cytokines ; Immunology ; Innate Immunity ; Interleukins
References	1. Liu, Q.-R., Zhang, P.-W., Zhen, Q., Walther, D., Wang, X.-B., Uhl, G. R. KEPI, a PKC-dependent protein phosphatase 1 inhibitor regulated by morphine. J. Biol. Chem. 277: 13312-13320, 2002.

NCBI AND UNIPROT INFORMATION

NCBI GI #	19311006
NCBI GeneID	81706
NCBI Accession #	NP_112211.1
NCBI GenBank Nucleotide #	NM_030949.2
UniProt Accession #	Q8TAE6 ; Q5VY83 ; Q96BB1 ; Q9H277
Molecular Weight	17,843 Da
NCBI Official Full Name	protein phosphatase 1 regulatory subunit 14C
NCBI Official Synonym Full Names	protein phosphatase 1, regulatory (inhibitor) subunit 14C
NCBI Official Symbol	PPP1R14C
NCBI Official Synonym Symbols	KEPI; NY-BR-81; CPI17-like
NCBI Protein Information	protein phosphatase 1 regulatory subunit 14C; kinase-enhanced PP1 inhibitor; kinase C-enhanced PP1 inhibitor; PKC-potentiated PP1 inhibitory protein; serologically defined breast cancer antigen NY-BR-81
UniProt Protein Name	Protein phosphatase 1 regulatory subunit 14C
UniProt Gene Name	PPP1R14C
UniProt Synonym Gene Names	KEPI
UniProt Entry Name	PP14C_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/kepi-ppp1r14c-antibody-flow-cytometry-western-blot-elisa/127688>