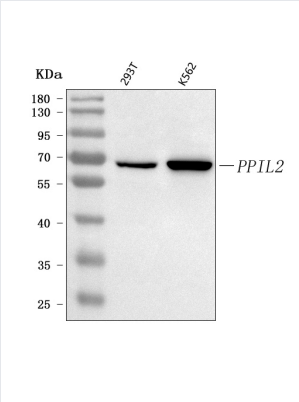
PPIL2 Antibody – Rabbit Polyclonal

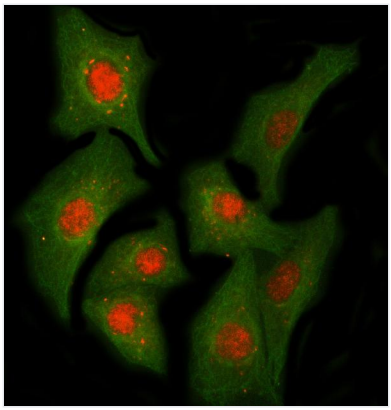
PRODUCT OVERVIEW

Product Name	PPIL2, Polyclonal Antibody
Full Product Name	Anti-PPIL2 Antibody Picoband
Product Gene Name	anti-PPIL2 antibody
Product Synonym Names	interleukin 17B; Interleukin-17B; IL-17B; Cytokine CX1; Cytokine-like protein ZCYTO7; Neuronal interleukin-17-related factor; Il17b; Nirf, Zcyto7
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Purity/Purification	Immunogen affinity purified.
Specificity	Expressed in adult pancreas, small intestine, stomach, spinal cord and testis. Less pronounced expression in prostate, colon mucosal lining, and ovary.
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.
Molecular Weight	59,458 Da
OMIM	607588
3D Structure	ModBase 3D Structure for Q13356
Immunogen	E coli-derived human PPIL2 recombinant protein (Position: D40-Q274).
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.
Product Categories/Family for anti-PPIL2 antibody	Primary Antibodies; Cytokines; Immunology; Innate Immunity; Interleukins
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-PPIL2 antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunofluorescence (IF), Flow Cytometry (FC/FACS), ELISA (EIA)
Application Notes for anti-PPIL2 antibody	WB: 0.25-0.5ug/ml, Human ICC/IF: 5ug/ml, Human FC/FACS (Fixed): 1-3ug/1x10^6 cells, Human ELISA: 0.1-0.5ug/ml
Related Product Information for anti-PPIL2 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.

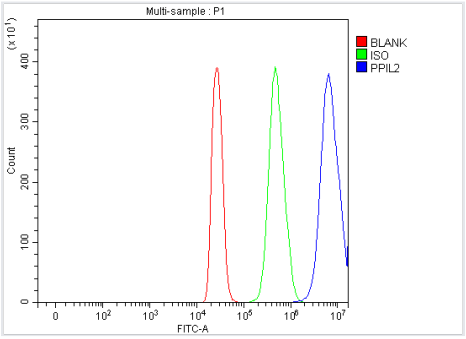
Product References and Citations for anti-PPIL2 antibody	1. Wang, B. B., Hayenga, K. J., Payan, D. G., Fisher, J. M. Identification of a nuclear-specific cyclophilin which interacts with the proteinase inhibitor eglin c. Biochem. J. 314: 313-319, 1996.
Other Notes	Small volumes of anti-PPIL2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PPIL2 purchase	MBS1759210 is an antibody targeting PPIL2. Also known as Anti-PPIL2 Antibody Picoband. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-PPIL2 antibody
Figure 1. Western blot analysis of PPIL2 using anti-PPIL2 antibody (MBS1759210).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.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-PPIL2 antigen affinity purified polyclonal antibody (#MBS1759210) 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 (#MBS176460) with Tanon 5200 system. A specific band was detected for PPIL2 at approximately 59 kDa. The expected band size for PPIL2 is at 59 kDa.



Immunofluorescence (IF) of anti-PPIL2 antibody
Figure 2. IF analysis of PPIL2 using anti-PPIL2 antibody (MBS1759210) and anti-Beta Tubulin antibody (M01857-3).PPIL2 was detected in immunocytochemical section of A549 cell. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (#MBS176582) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-PPIL2 Antibody (MBS1759210) and mouse anti-Beta Tubulin antibody (M01857-3) overnight at 4 degree C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) and DyLight488 Conjugated Goat Anti-Mouse IgG (BA1126) were used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



Flow Cytometry (FC/FACS) of anti-PPIL2 antibody
Figure 3. Flow Cytometry analysis of 293T cells using anti-PPIL2 antibody (MBS1759210).Overlay histogram showing 293T cells stained with MBS1759210 (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-PPIL2 Antibody (MBS1759210, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG (MBS177405, 5-10ug/1x106 cells) 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PPIL2. It may not necessarily be applicable to this product.

NCBI GI #	7657473

NCBI GeneID	23759
NCBI Accession #	NP_055152.1
UniProt Primary Accession #	Q13356
UniProt Secondary Accession #	Q13357; Q8TAH2; Q9BWR8
UniProt Related Accession #	Q13356
GenBank Nucleotide #	NM_014337.3
NCBI Official Full Name	peptidyl-prolyl cis-trans isomerase-like 2 isoform a
NCBI Official Synonym Full Names	peptidylprolyl isomerase (cyclophilin)-like 2
NCBI Official Symbol	PPIL2
NCBI Official Synonym Symbols	CYC4; CYP60; UBOX7; Cyp-60; hCyP-60
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase-like 2
UniProt Synonym Protein Names	CYC4; Cyclophilin-60
Protein Family	Peptidyl-prolyl cis-trans isomerase
UniProt Gene Name	PPIL2
UniProt Synonym Gene Names	PPIaseCurated
UniProt Entry Name	PPIL2_HUMAN
NCBI Protein Information	peptidyl-prolyl cis-trans isomerase-like 2; PPIase; U-box domain containing 7; cyclophilin, 60kDa; cyclophilin-60; cyclophilin-like protein CyP-60; peptidylprolyl cis-trans isomerase; rotamase PPIL2
NCBI Summary for PPIL2	This gene is a member of the cyclophilin family of peptidylprolyl isomerases. The cyclophilins are a highly conserved ubiquitous family, members of which play an important role in protein folding, immunosuppression by cyclosporin A, and infection of HIV-1 virions. This protein interacts with the proteinase inhibitor eglin c and is localized in the nucleus. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for PPIL2	PPIL2: a peptidylprolyl isomerase (PPIase) of the cyclophilin-type family. PPIases accelerate the folding of proteins by catalyzing the cis-trans isomerization of proline imidic peptide bonds. Two alternatively-spliced isoforms have been described. Protein type: Ligase; Cyclophilin; Ubiquitin conjugating system; EC 5.2.1.8; Spliceosome; Ubiquitin ligase; Isomerase Chromosomal Location of Human Ortholog: 22q11.21 Cellular Component: nucleoplasm; Golgi lumen; cytoplasm; plasma membrane; nucleus Molecular Function: protein binding; peptidyl-prolyl cis-trans isomerase activity; ligase activity Biological Process: protein polyubiquitination; protein peptidyl-prolyl isomerization; protein folding; blood coagulation; leukocyte migration
Research Articles on PPIL2	**1.** common genetic variation in the BACE1-interacting proteins, RTN3 an PPIL2, does not influence platelet b-secretase activity or susceptibility to Alzheimer's disease in this population.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/ppil2/1759210