

Rabbit anti-Human PILRA Polyclonal Antibody | anti-PILRA antibody

Anti-PILRA Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127451	Rabbit	Human	Western Blot, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

PILRA; Polyclonal Antibody; Anti-PILRA Antibody Picoband; BAG family molecular chaperone regulator 5; pyrophosphatase (inorganic) 1; Inorganic pyrophosphatase; Pyrophosphate phospho-hydrolase; Ppase; PPA1; IOPPP; PP; anti-PILRA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Expressed ubiquitously.
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-PILRA antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Immunogen	E coli-derived human PILRA recombinant protein (Position: T154-A303).
Subcellular Localization	Cytoplasm.
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	Inhibits both auto-ubiquitination of PARK2 and ubiquitination of target proteins by PARK2 (By similarity). May function as a nucleotide exchange factor for HSP/HSP70, promoting ADP release, and activating Hsp70-mediated refolding.
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 HEL cells using anti-PILRA antibody (AAA127451).Overlay histogram showing HEL cells stained with AAA127451 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-PILRA Antibody (AAA127451, 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 PILRA using anti-PILRA antibody (AAA127451).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 Hela whole cell lysates,Lane 2: human Jurkat 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-PILRA antigen affinity purified polyclonal antibody (#AAA127451) 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 PILRA at approximately 61 kDa. The expected band size for PILRA is at 34 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PILRA 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-PILRA antibody	Primary Antibodies; Cancer; Cofactors; Vitamins/Minerals; Metabolism; Pathways and Processes; Signal Transduction; Vitamins/Minerals
References	1. Fournier, N., Chalus, L., Durand, I., Garcia, E., Pin, J.-J., Churakova, T., Patel, S., Zlot, C., Gorman, D., Zurawski, S., Abrams, J., Bates, E. E. M., Garrone, P. FDF03, a novel inhibitory receptor of the immunoglobulin superfamily, is expressed by human dendritic and myeloid cells. J. Immun. 165: 1197-1209, 2000. 2. Kogure, A., Shiratori, I., Wang, J., Lanier, L. L., Arase, H. PANP is a novel O-glycosylated PILR-alpha ligand expressed in neural tissues. Biochem. Biophys. Res. Commun. 405: 428-433, 2011. 3. Mousseau, D. D., Banville, D., L'Abbe, D., Bouchard, P., Shen, S.-H. PILR-alpha, a novel immunoreceptor tyrosine-based inhibitory motif-bearing protein, recruits SHP-1 upon tyrosine phosphorylation and is paired with the truncated counterpart PILR-beta. J. Biol. Chem. 275: 4467-4474, 2000.

NCBI AND UNIPROT INFORMATION

NCBI GI #	30179909
NCBI GeneID	29992
NCBI Accession #	NP_038467.2
NCBI GenBank Nucleotide #	NM_013439.2
UniProt Accession #	Q9UKJ1; Q8NHI1
Molecular Weight	34,005 Da
NCBI Official Full Name	paired immunoglobulin-like type 2 receptor alpha isoform 1
NCBI Official Synonym Full Names	paired immunoglobulin-like type 2 receptor alpha
NCBI Official Symbol	PILRA
NCBI Official Synonym Symbols	FDF03
NCBI Protein Information	paired immunoglobulin-like type 2 receptor alpha; cell surface receptor FDF03; inhibitory receptor PILR-alpha
UniProt Protein Name	Paired immunoglobulin-like type 2 receptor alpha
UniProt Gene Name	PILRA

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/pilra-antibody-western-blot-flow-cytometry-elisa/127451>