

Mouse anti-Human PPIL1 Monoclonal Antibody | anti-PPIL1 antibody

Anti-PPIL1 Antibody, Mouse Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255724	Mouse	Human	Immunoprecipitation, Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

PPIL1; Monoclonal Antibody; Anti-PPIL1 Antibody; Mouse Monoclonal; PPIL1 Antibody; Mouse MAb; peptidylprolyl isomerase (cyclophilin)-like 1; Anti-CGI-124 Antibody; Anti-CYPL1 Antibody; Anti-hCyPX Antibody; Anti-PPIase Antibody; anti-PPIL1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2a
Clone Number	08
Specificity	Human PPIL1. No cross-reactivity in ELISA with E Coli cell lysate
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-PPIL1 antibody	IP (Immunoprecipitation), FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Immunogen	Recombinant Human PPIL1 protein
Conjugation	Unconjugated
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human PPIL1 (rh PPIL1).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of Human PPIL1 expression on MCF-7 cells. The cells were treated according to manufacturer's manual (BD Pharmingen), stained with purified anti-Human PPIL1, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.



IP (Immunoprecipitation)

PPIL1 was immunoprecipitated using: Lane A: 0.5 mg HeLa Whole Cell Lysate; Lane B: 0.5 mg U87MG Whole Cell Lysate; 2 uL anti-PPIL1 mouse monoclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-PPIL1 mouse monoclonal antibody, at 1:100 dilution. Secondary antibody: DyLight 800-labeled antibody to Mouse IgG (H+L), at 1:7500 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 18 kDa. Observed band size: 18 kDa.



WB (Western Blot)

Anti-PPIL1 mouse monoclonal antibody at 1:500 dilution
Lane A: U87MG Whole Cell Lysate
Lane B: K562 Whole Cell Lysate
Lane C: HeLa Whole Cell Lysate
Lysates/proteins at 30 ug per lane.
Secondary Goat Anti-Mouse IgG H&L (Dylight800) at 1/15000 dilution.
Developed using the Odyssey technique.
Performed under reducing conditions.
Predicted band size: 18 kDa
Observed band size: 19 kDa
(We are unsure as to the identity of these extra bands.)

ADDITIONAL INFORMATION

Related Product Information for anti-PPIL1 antibody	PPIL1 is a member of the cyclophilin family. Cyclophilins are well conserved and ubiquitous. Members of cyclophilin family take a significant part in protein folding, immunosuppression by cyclosporin A, and infection of HIV-1 virions. PPIL1 is a peptidylprolyl isomerase(PPIase). It increases the folding of proteins and catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. PPIL1 is involved in proliferation of cancer cells through modulation of phosphorylation of stathmin. It is a novel molecular target for colon-cancer therapy.
References	Xu C. et al., 2005, J Biomol NMR. 31 (2): 179-80. Ozaki K. et al., 1997, Cytogenet Cell Genet. 72 (2-3): 242-5. Mann SS. et al., 1999, Cytogenet Cell Genet. 83 (3-4): 228-9.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7706339
NCBI GeneID	51645
NCBI Accession #	NP_057143.1
NCBI GenBank Nucleotide #	NM_016059.4
UniProt Accession #	Q9Y3C6; O15001; Q5TDC9
Molecular Weight	18,237 Da
NCBI Official Full Name	peptidyl-prolyl cis-trans isomerase-like 1
NCBI Official Synonym Full Names	peptidylprolyl isomerase (cyclophilin)-like 1
NCBI Official Symbol	PPIL1
NCBI Official Synonym Symbols	CYPL1; hCyPX; PPIase; CGI-124
NCBI Protein Information	peptidyl-prolyl cis-trans isomerase-like 1; cyclophilin-related gene 1; rotamase PPIL1
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase-like 1
UniProt Gene Name	PPIL1
UniProt Synonym Gene Names	CYPL1; PPIase
UniProt Entry Name	PPIL1_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/monoclonal/ppil1-antibody-clone-08-immunoprecipitation-flow-cytometry-western-blot-elisa/255724>