

Mouse anti-Human Cyclophilin B Monoclonal Antibody | anti-PPIB antibody

Cyclophilin B antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48018	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

Cyclophilin B; Monoclonal Antibody; Cyclophilin B antibody; PPIB; Peptidylprolyl isomerase B; CYPB; SCYLP; CYP-S1: Cyclophilin-B; 26- 216aa; AA553318; AI844835; Cphn 2; Cphn2; CyP 20b; AA408962; CYP S1; MGC14109; MGC2224; peptidyl prolyl cis trans isomerase B; Peptidyl prolyl cis trans isomerase B precursor; PPIase; Rotamase; S cyclophilin.; anti-PPIB antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	k2E2
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	216
Applicable Applications for anti-PPIB antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human Cyclophilin B (26-216aa) purified from E. coli
Clone Note	Anti-human Cyclophilin B mAb, clone k2E2, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human Cyclophilin B protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of Cyclophilin B in Hep3B cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human Cyclophilin B antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

Cell lysates of HepG2 (30ug) and HeLa (30ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human Cyclophilin B (1:1,000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Cyclophilin B antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: Jurkat cell lysate Lane 2.: K562 cell lysate Lane 3.: 293T cell lysate Lane 4.: A549 cell lysate Lane 5.: MCF7 cell lysate Lane 6.: SK-OV-3 cell lysate Lane 7.: LnCap cell lysate The Recombinant Protein (50ng) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Cyclophilin B antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: Cyclophilin B Recombinant Protein Lane 2.: Cyclophilin A Recombinant Protein Lane 3.: Cyclophilin D Recombinant Protein Lane 4.: Cyclophilin E Recombinant Protein Lane 5.: Cyclophilin F Recombinant Protein Lane 6.: Cyclophilin G Recombinant Protein Lane 7.: Cyclophilin H Recombinant Protein

ADDITIONAL INFORMATION

Related Product Information for anti-PPIB antibody	Cyclophilin B (also known as PPIB, peptidylpropyl isomerase B) is a cyclosporine-binding protein and is mainly located within the endoplasmic reticulum. It is associated with the secretory pathway and released in biological fluids. This protein can bind to cells derived from T- and B-lymphocytes, and may regulate cyclosporine A-mediated immunosuppression. Cyclophilin B is necessary for the prolactin-induced proliferation, cell growth, and the nuclear retrotransport of prolactin.
Product Categories/Family for anti-PPIB antibody	Signal Transduction
References	Watashi K, et al., (2005) Mol Cell 19 (1):111-112; Yurchenko V, et al., (2001) Biochem Biophys Res Commun 288 (4):786-788; E.Roydon P, et al., (1991) Proc Natl Acad Sci USA 88:1903-1907

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758950
NCBI GeneID	5479
NCBI Accession #	NP_000933
NCBI GenBank Nucleotide #	NM_000942.4
UniProt Accession #	P23284; Q6IBH5; Q9BVK5; A8K534
Molecular Weight	23,743 Da
NCBI Official Full Name	peptidyl-prolyl cis-trans isomerase B
NCBI Official Synonym Full Names	peptidylprolyl isomerase B
NCBI Official Symbol	PPIB
NCBI Official Synonym Symbols	OI9; CYPB; SCYLP; CYP-S1; HEL-S-39
NCBI Protein Information	peptidyl-prolyl cis-trans isomerase B
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase B
UniProt Gene Name	PPIB
UniProt Synonym Gene Names	CYPB; PPlase B; SCYLP

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/monoclonal/cyclophilin-b-antibody-clone-k2e2-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48018>