

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

PPID antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48939	Mouse	Human	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

PPID; Monoclonal Antibody; PPID antibody; Peptidylprolyl isomerase D; CYPD; CYP-40; Cyclophilin D; 40 kDa peptidyl prolyl cis trans isomerase; 40 kDa peptidyl prolyl cis trans isomerase D; Cyclophilin related protein; Cyclophilin40; CyclophilinD; CYP 40; CYP40; MGC33096.Peptidylprolyl isomerase D; PPIase; Rotamase.; anti-PPID antibody

PRODUCT SPECIFICATIONS

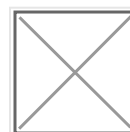
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	AT1B8
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Applicable Applications for anti-PPID antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human PPID (1-370aa) purified from E. coli
Clone Note	Anti-human PPID mAb, clone AT1B8, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human PPID protein.
Preparation and Storage	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing/thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of PPID in Hep3B cells. The cell was stained with AAA48939 (1:100).The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).



WB (Western Blot)

The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PPID antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: K562 cell lysate Lane 2.: Jurkat cell lysate Lane 3.: HeLa cell lysate Lane 4.: HepG2 cell lysate Lane 5.: A549 cell lysate Lane 6.: MCF7 cell lysate Lane 7.: SK-OV-3 cell lysate Lane 8.: PC3 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-PPID antibody	Cyclophilin D (also known as peptidylpropyl isomerase D, PPID) is a member of peptidyl-propyl cis-trans isomerase (PPIase) family, which catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerates the folding of proteins. This protein can bind to the immunosuppressant cyclosporine A and was known that its overexpression suppresses the apoptosis in cancer cells.
Product Categories/Family for anti-PPID antibody	Immunology
References	MachidaK.,et al. (2006) J. Biol. Chem. 281 (20): 14314-20.; Yokoi H.,et al. (1996) Genomics. 35 (3): 448-55.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826932
NCBI GeneID	5481
NCBI Accession #	NP_005029
NCBI GenBank Nucleotide #	NM_005038.2
UniProt Accession #	Q08752; B2R9V2
NCBI Official Full Name	peptidyl-prolyl cis-trans isomerase D
NCBI Official Synonym Full Names	peptidylprolyl isomerase D
NCBI Official Symbol	PPID
NCBI Official Synonym Symbols	CYPD; CYP-40
NCBI Protein Information	peptidyl-prolyl cis-trans isomerase D
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase D
UniProt Gene Name	PPID
UniProt Synonym Gene Names	CYP40; CYPD; PPIase D; CYP-40

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.