

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

PPIC antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48098	Mouse	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

PPIC; Monoclonal Antibody; PPIC antibody; Cyclophilin C; CYPC; Peptidyl prolyl cis trans isomerase C; Peptidyl-prolyl cis-trans isomerase C; PPlase C; Rotamase C; anti-PPIC antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, k
Clone Number	AT3C6
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	212
Applicable Applications for anti-PPIC antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human PPIC (39-197aa) protein purified from E. coli
Clone Note	Anti-human PPIC mAb, clone AT3C6, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human PPIC 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 PPIC in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human PPIC antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The HeLa (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PPIC antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

ADDITIONAL INFORMATION

Related Product Information for anti-PPIC antibody	PPIC is a member of the peptidyl-prolyl cis-trans isomerase (PPIase) family. PPIases catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerate the folding of proteins. Similar to other PPIases, this protein can bind immunosuppressant cyclosporin A.
Product Categories/Family for anti-PPIC antibody	Signal Transduction
References	Takahashi, N., Hayano, T. & Suzuki, M. (1989). Nature (London) 337, 473-475.; Fischer, G., Wittmann-Liebold, B., Lang, K., Kieffhaber, T. & Schmid, F. (1989). Nature (London) 337, 476-478

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505991
NCBI GeneID	5480
NCBI Accession #	NP_000934
NCBI GenBank Nucleotide #	NM_000943.4
UniProt Accession #	P45877; A4LBB5
Molecular Weight	22,763 Da
NCBI Official Full Name	peptidyl-prolyl cis-trans isomerase C
NCBI Official Synonym Full Names	peptidylprolyl isomerase C
NCBI Official Symbol	PPIC
NCBI Official Synonym Symbols	CYPC
NCBI Protein Information	peptidyl-prolyl cis-trans isomerase C
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase C
UniProt Gene Name	PPIC
UniProt Synonym Gene Names	CYPC; PPIase C

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.