

Mouse anti-Human FKBP14 Monoclonal Antibody | anti-FKBP14 antibody

FKBP14 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48254	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

FKBP14; Monoclonal Antibody; FKBP14 antibody; Peptidyl-prolyl cis-trans isomerase FKBP14; FKBP22; 22 kDa FK506 binding protein; FK506 binding protein 14 (22 kDa); FK506 binding protein 14; FKBP 22; Peptidyl prolyl cis trans isomerase; PPlase; Rotamase; anti-FKBP14 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	AT18E2
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)
Sequence Length	211
Applicable Applications for anti-FKBP14 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human FKBP14 (20-211aa) purified from E. coli
Clone Note	Anti-human FKBP14 mAb, clone AT18E2, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human FKBP14 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 FKBP14 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human FKBP14 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human FKBP14 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : HeLa cell lysate The cell lysates (20ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human FKBP14 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : 293T cell lysate Lane 2. : FKBP14 Transfected 293T cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-FKBP14 antibody	FKBP14, also known as 22 kDa FK506-binding protein, is an enzyme that accelerates the folding of proteins during protein synthesis. This protein contains two EF-hand domains and one PPlase FKBP-type domain. Truncation of the amino-terminus of FKBP14 greatly reduces peptidyl prolyl cis-trans isomerase activity, therefore suggesting that the PPlase FKBP-type domain must be located at the N-terminus.
Product Categories/Family for anti-FKBP14 antibody	Heat Shock Proteins; Development; Signaling pathway
References	Tremmel D., et al. (2007) J Mol Biol. 369 (1): 55-68. ; Budiman C., et al. (2009) FEBS J. 276 (15): 4091-101.

NCBI AND UNIPROT INFORMATION

NCBI GI #	8923659
NCBI GeneID	55033
NCBI Accession #	NP_060416
NCBI GenBank Nucleotide #	NM_017946.3
UniProt Accession #	Q9NWM8
Molecular Weight	24,172 Da
NCBI Official Full Name	peptidyl-prolyl cis-trans isomerase FKBP14
NCBI Official Synonym Full Names	FK506 binding protein 14
NCBI Official Symbol	FKBP14
NCBI Official Synonym Symbols	EDSKMH; FKBP22; IPBP12; EDSKSCL2
NCBI Protein Information	peptidyl-prolyl cis-trans isomerase FKBP14
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase FKBP14
UniProt Gene Name	FKBP14
UniProt Synonym Gene Names	FKBP22; PPlase FKBP14; 22 kDa FKBP; FKBP-22; FKBP-14

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.