

Mouse anti-Human FkBP4 Monoclonal Antibody | anti-FkBP4 antibody

FkBP4 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48049	Mouse	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot, ELISA

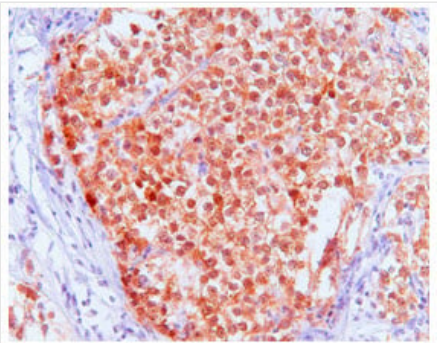
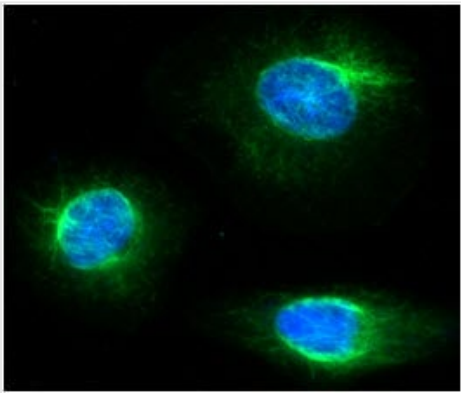
PRODUCT SYNONYMS

FkBP4; Monoclonal Antibody; FkBP4 antibody; FK506 binding protein 4; FKBP52; FKBP59; HBI; Hsp56; p52; PPIase; FK506 binding protein 4 52 kDa FK506 binding protein; FKBP 4; FKBP 52; FKBP 59; FKBP4; FKBP52 protein; Hsp 56; HSP binding immunophilin; p59 protein; Rotamase; Peptidyl prolyl cis trans isomerase; Peptidylprolyl cis trans isomerase; T cell FK506 binding protein 59kD.; anti-FkBP4 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, k
Clone Number	AT4D3
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	459
Applicable Applications for anti-FkBP4 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human FkBP4 (1-459aa) purified from E. coli
Clone Note	Anti-human FkBP4 mAb, clone AT4D3, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human FkBP4 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.

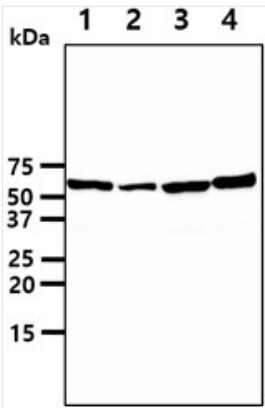
IMAGES



Seminoma (Germ cell tumor)

IF (Immunofluorescence)
ICC/IF analysis of FKBP4 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human FKBP4 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).

IHC (Immunohistochemistry)
Paraffin embedded sections of Seminoma (Germ cell tumor) tissue were incubated with anti-human FKBP4 (1:50) for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB)



WB (Western Blot)
The Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human FKBP4 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 Lane 2. : K562 cell lysate Lane 3. : Jurkat cell lysate Lane 4. : MCF-7 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-FkBP4 antibody	FkBP4, also known as FkBP52, is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. It is a component of unactivated mammalian steroid receptor complexes and may play a role in the intracellular trafficking of hetero-oligomeric forms of the steroid hormone receptors. It interacts with interferon regulatory factor-4 and plays an important role in immunoregulatory gene expression in B and T lymphocytes.
Product Categories/Family for anti-FkBP4 antibody	Redox Proteins
References	Ostrow KL, et al., (2009) Clin Cancer Res. 15 (4):1184-91; Ma D, et al., (2008) J Biol Chem. 283 (38):25963-70

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503729
NCBI GeneID	2288
NCBI Accession #	NP_002005
NCBI GenBank Nucleotide #	NM_002014.3
UniProt Accession #	Q02790; Q9UCP1; Q9UCV7; D3DUQ1

Molecular Weight	51,805 Da
NCBI Official Full Name	peptidyl-prolyl cis-trans isomerase FKBP4
NCBI Official Synonym Full Names	FK506 binding protein 4
NCBI Official Symbol	FKBP4
NCBI Official Synonym Symbols	HBI; p52; Hsp56; FKBP51; FKBP52; FKBP59; PPIase
NCBI Protein Information	peptidyl-prolyl cis-trans isomerase FKBP4
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase FKBP4
UniProt Gene Name	FKBP4
UniProt Synonym Gene Names	FKBP52; PPIase FKBP4; FKBP51; 52 kDa FKBP; FKBP-52; p59; FKBP-4; HBI

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/fkbp4-antibody-clone-at4d3-flow-cytometry-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/48049>