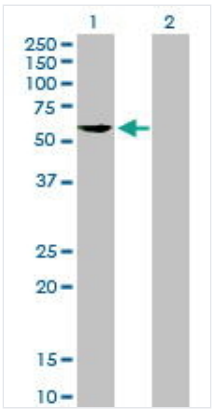
FKBP5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FKBP5, Polyclonal Antibody
Full Product Name	FKBP5 (FK506-binding Protein 5, Peptidyl-prolyl cis-trans Isomerase FKBP5, PPIase FKBP5, Rotamase, HSP-binding Immunophilin, HBI, FKBP52 Pro
Product Gene Name	anti-FKBP5 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human FKBP5.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
OMIM	602623
3D Structure	ModBase 3D Structure for Q13451
Immunogen	Full length human FKBP5, aa1-457 (NP_004108.1).
Immunogen Sequence	MTTDEGAKNNEESPTATVAEQGEDITSKKDRGVLKIVKRVGNGEETPMIGDKVYVHYKGKLSNGKKFDSSHDRNEPFVFSLGKGQVIKAWDIGVATMKK
Conjugate	APC
Note	Preservative Free
Product Categories/Family for anti-FKBP5 antibody	Antibodies; Enzymes; Isomerase
Applications Tested/Suitable for anti-FKBP5 antibody	Western Blot (WB)
Application Notes for anti-FKBP5 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-FKBP5 antibody	The protein is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding
Other Notes	Small volumes of anti-FKBP5 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces

Searchable Terms for FKBP5 purchase	MBS6378670 is an antibody targeting FKBP5. Also known as FKBP5 (FK506-binding Protein 5, Peptidyl-prolyl cis-trans Isomerase FKBP5, PPIase FK



Western Blot (WB) of anti-FKBP5 antibody
Western Blot analysis of FKBP5 expression in transfected 293T cell line by FKBP5 polyclonal antibody. Lane 1: FKBP5 transfected lysate (51.2kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FKBP5. It may not necessarily be applicable to this product.

NCBI GI #	4758384
NCBI GeneID	2289
NCBI Accession #	NP_004108.1
UniProt Primary Accession #	Q13451
UniProt Related Accession #	Q13451
GenBank Nucleotide #	NM_004117.2
NCBI Official Full Name	peptidyl-prolyl cis-trans isomerase FKBP5 isoform 1
NCBI Official Synonym Full Names	FKBP prolyl isomerase 5
NCBI Official Symbol	FKBP5
NCBI Official Synonym Symbols	P54; AIG6; FKBP51; FKBP54; PPIase; Ptg-10
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase FKBP5
UniProt Synonym Protein Names	51 kDa FK506-binding protein; 51 kDa FKBP; FKBP-51; 54 kDa progesterone receptor-associated immunophilin; Androgen-regulated protein 6; FF1 antigen; FK506-binding protein 5; FKBP-5; FKBP54; p54; HSP90-binding immunophilin; Rotamase
Protein Family	FK506-binding protein
UniProt Gene Name	FKBP5
UniProt Synonym Gene Names	AIG6; FKBP51; PPIase FKBP5; 51 kDa FKBP; FKBP-51; FKBP-5; p54
UniProt Entry Name	FKBP5_HUMAN
NCBI Protein Information	peptidyl-prolyl cis-trans isomerase FKBP5

NCBI Summary for FKBP5	The protein encoded by this gene is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. This encoded protein is a cis-trans prolyl isomerase that binds to the immunosuppressants FK506 and rapamycin. It is thought to mediate calcineurin inhibition. It also interacts functionally with mature hetero-oligomeric progesterone receptor complexes along with the 90 kDa heat shock protein and P23 protein. This gene has been found to have multiple polyadenylation sites. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Mar 2009]
UniProt Comments for FKBP5	FKBP5: Interacts with functionally mature heterooligomeric progesterone receptor complexes along with HSP90 and TEBP. Part of a heteromultimeric cytoplasmic complex with HSP90, HSP70 and steroid receptors. Dissociates from the complex when NR3C1 binds glucocorticoid. By androgen. Widely expressed, enriched in testis compared to other tissues. Inhibited by FK506 but not cyclosporin. Protein type: EC 5.2.1.8; Isomerase; Chaperone Chromosomal Location of Human Ortholog: 6p21.31 Cellular Component: nucleoplasm; endoplasmic reticulum membrane; membrane Molecular Function: protein binding; peptidyl-prolyl cis-trans isomerase activity; FK506 binding; heat shock protein binding Biological Process: protein peptidyl-prolyl isomerization; protein folding Disease: Major Depressive Disorder
Research Articles on FKBP5	**1.** A significant main effect of FKBP5 rs1360780 and PTSD and an interaction effect between genotype and PTSD status were found on mean FKBP5 DNA methylation level. The T allele of rs1360780 was associated with lower FKBP5 methylation level.The PTSD group showed significantly higher methylation than the non-PTSD group among veterans carrying the risk T allele (n = 96), while no difference was observed with the CC genotype
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