FKBP5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FKBP5, Polyclonal Antibody
Full Product Name	FKBP5 Rabbit Polyclonal Antibody
Product Gene Name	anti-FKBP5 antibody
Product Synonym Gene Name	AIG6, FKBP51
Product Synonym Names	BH6842; Peptidyl-prolyl cis-trans isomerase FKBP5 (PPIase FKBP5)(EC 5.2.1.8)(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)
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1mg/ml (lot specific)
Specificity	FKBP5 Polyclonal Antibody detects endogenous levels of protein.
Preparation and Storage	Store at -20 degree C/1 year
Molecular Weight	457
OMIM	602623
3D Structure	ModBase 3D Structure for Q13451
Immunogen	Synthesized peptide derived from part region of human protein
Modification	Unmodified/Total
Applications Tested/Suitable for anti-FKBP5 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-FKBP5 antibody	WB: 1:500-2000 ELISA: 1:5000-20000
Related Product Information for anti-FKBP5 antibody	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]
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 necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for FKBP5 purchase	MBS9514560 is an antibody targeting FKBP5. Also known as FKBP5 Rabbit Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	2851536
NCBI GeneID	2289
NCBI Accession #	Q13451.2
UniProt Primary Accession #	Q13451
UniProt Secondary Accession #	Q59EB8; Q5TGM6; F5H7R1
UniProt Related Accession #	Q13451
NCBI Official Full Name	Peptidyl-prolyl cis-trans isomerase FKBP5
NCBI Official Synonym Full Names	FK506 binding protein 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; FKBP-51; rotamase; 51 kDa FKBP; FF1 antigen; PPIase FKBP5; HSP90-binding immunophilin; 51 kDa FK506-binding protein; T-cell FK506-binding protein; androgen-regulated protein 6; peptidylprolyl cis-trans isomerase;
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.** Overall, female 51KO mice did not display any overt behavioural phenotype under basal conditions, but showed a reduced basal hypothalamic-pituitary-adrenal axis activity, a blunted response to, and an enhanced recovery from, acute stress.
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