FKBP5 Monoclonal Antibody

Catalog No	YP-mAb-07070
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	FKBP5 AIG6 FKBP51
Protein Name	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
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	FKBP5 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	50kD
Cell Pathway	Cytoplasm . Nucleus .
Tissue Specificity	Widely expressed, enriched in testis compared to other tissues.
Function	catalytic activity:Peptidylproline (omega=180) = peptidylproline (omega=0).,enzyme regulation:Inhibited by FK506 but not cyclosporin.,function:Interacts with functionally mature heterooligomeric progesterone receptor complexes along with HSP90 and TEBP.,induction:By androgen.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the FKBP-type PPIase family.,similarity:Contains 2 PPIase FKBP-type domains.,similarity:Contains 3 TPR repeats.,subunit:Part of a heteromultimeric cytoplasmic complex with HSP90, HSP70 and steroid receptors. Dissociates from the complex when NR3C1 binds glucocorticoid.,tissue specificity:Widely expressed, enriched in testis compared to other tissues.,
Background	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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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