

## ARG44664 anti-FKBP51 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody recognizes FKBP51
Tested Reactivity	Hu
Tested Application	IP
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	FKBP51
Species	Human
Conjugation	Un-conjugated
Alternate Names	FKBP5; FKBP Prolyl Isomerase 5; FKBP51; FKBP54; P54; PPlase; Ptg-10; 54 KDa Progesterone Receptor-Associated Immunophilin; Peptidyl-Prolyl Cis-Trans Isomerase FKBP5; 51 KDa FK506-Binding Protein; Androgen-Regulated Protein 6; HSP90-Binding Immunophilin; FK506-Binding Protein 5; FK506 Binding Protein 5; PPlase FKBP5; 51 KDa FKBP; FF1 Antigen; EC 5.2.1.8; Rotamase; FKBP-51; AIG6; Peptidylprolyl Cis-Trans Isomerase; T-Cell FK506-Binding Protein; FKBP-5

### Application Instructions

Application table	Application	Dilution
	IP	10 µg/mL
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

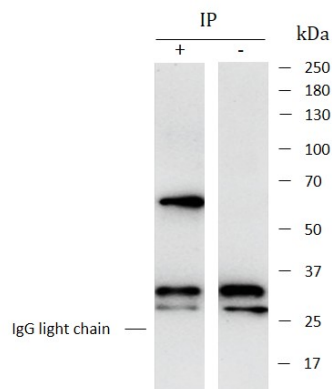
Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	FKBP5
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<b>Gene Full Name</b>	FKBP Prolyl Isomerase 5
<b>Background</b>	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]
<b>Function</b>	Acts as a regulator of Akt/AKT1 activity by promoting the interaction between Akt/AKT1 and PHLPP1, thereby enhancing dephosphorylation and subsequent activation of Akt/AKT1.  Interacts with IKBKE and IKBKB which facilitates IKK complex assembly leading to increased IKBKE and IKBKB kinase activity, NF-kappa-B activation, and IFN production. [UniProt]
<b>Calculated Mw</b>	51 kDa
<b>PTM</b>	Acetylation, Phosphoprotein, Ubl conjugation. [UniProt]
<b>Cellular Localization</b>	Cytoplasm, Nucleus. [UniProt]

## Images



ARG44664 anti-FKBP51 antibody IP image

Immunoprecipitation: Jurkat lysate immunoprecipitated with 2.5  $\mu$ g of ARG44664 anti-FKBP51 antibody.