

ARG22263 anti-FKBP51 antibody [Hi51B]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [Hi51B] recognizes FKBP51
Tested Reactivity	Hu, Ms, Rat, Dog, Hm, Rb
Tested Application	ICC/IF, WB
Specificity	Detects ~51kDa.
Host	Mouse
Clonality	Monoclonal
Clone	Hi51B
Isotype	IgG
Target Name	FKBP51
Species	Human
Immunogen	Synthetic peptide from Human FKBP51
Conjugation	Un-conjugated
Alternate Names	HSP90-binding immunophilin; p54; FKBP-51; PPIase FKBP5; FK506-binding protein 5; Ptg-10; Rotamase; FKBP51; FKBP-5; FKBP54; 51 kDa FKBP; 51 kDa FK506-binding protein; EC 5.2.1.8; PPIase; Androgen-regulated protein 6; P54; AIG6; FF1 antigen; Peptidyl-prolyl cis-trans isomerase FKBP5; 54 kDa progesterone receptor-associated immunophilin

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:1000
	WB	1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS, 0.09% Sodium azide and 50% Glycerol
Preservative	0.09% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml
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. 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.

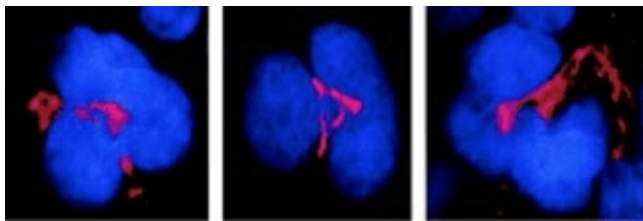
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

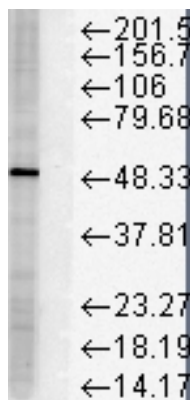
Database links	GeneID: 14229 Mouse GeneID: 2289 Human Swiss-port # Q13451 Human Swiss-port # Q64378 Mouse
Gene Symbol	FKBP5
Gene Full Name	FK506 binding protein 5
Background	The protein encoded by this gene is a member of the immunophilin protein family, which play a role in immunoregulation and basic 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]
Function	Immunophilin protein with PPIase and co-chaperone activities. Component of unligated steroid receptors heterocomplexes through interaction with heat-shock protein 90 (HSP90). Plays a role in the intracellular trafficking of heterooligomeric forms of steroid hormone receptors maintaining the complex into the cytoplasm when unliganded. [UniProt]
Calculated Mw	51 kDa
Cellular Localization	Cytoplasm, Nucleus

Images



ARG22263 anti-FKBP51 antibody [Hi51B] ICC/IF image

Immunocytochemistry: Mouse MK cells stained with ARG22263 anti-FKBP51 antibody [Hi51B] (red).



ARG22263 anti-FKBP51 antibody [Hi51B] WB image

Western blot: Human HeLa cell lysates stained with ARG22263 anti-FKBP51 antibody [Hi51B] at 1:1000 dilution.