

Product datasheet for TA500557

FKBP12 (FKBP1A) Mouse Monoclonal Antibody [Clone ID: OTI3B3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3B3
Applications:	FC, IHC, WB
Recommend Dilution:	WB: 1:200 - 1:1000, IHC 1:150, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human FKBP1A (NP_000792) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.8 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Predicted Protein Size:	11.8 kDa
Gene Name:	FKBP prolyl isomerase 1A
Database Link:	NP_000792 Entrez Gene 2280 Human
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. The protein is a cis-trans prolyl isomerase that binds the immunosuppressants FK506 and rapamycin. It interacts with several intracellular signal transduction proteins including type I TGF-beta receptor. It also interacts with multiple intracellular calcium release channels, and coordinates multi-protein complex formation of the tetrameric skeletal muscle ryanodine receptor. In mouse, deletion of this homologous gene causes congenital heart disorder known as noncompaction of left ventricular myocardium. Multiple alternatively spliced variants, encoding the same protein, have been identified. The human genome contains five pseudogenes related to this gene, at least one of which is transcribed. [provided by RefSeq]



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Synonyms: FKBP-1A; FKBP-12; FKBP1; FKBP12; PKC12; PKCI2; PPIASE

Protein Families: Druggable Genome