

FKBP1A polyclonal antibody (A01)

Catalog # H00002280-A01

Size 50 uL

Specification

Product Description	Mouse polyclonal antibody raised against a full-length recombinant FKBP1A.
Immunogen	FKBP1A (AAH05147, 1 a.a. ~ 108 a.a) full-length recombinant protein with GST tag.
Sequence	MGVQVETISPGDGRTFPKRGQTCVVHYTGMLDGGKKFDSSRDNRNKPFFKMLGKQEVIRGWEEG VAQMSVGQRAKLTISPDYAYGATGHPGIIPPHATLVFDVELLKLE
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA

Gene Info — FKBP1A

Entrez GeneID	2280
GeneBank Accession#	BC005147
Protein Accession#	AAH05147
Gene Name	FKBP1A
Gene Alias	FKBP-12, FKBP1, FKBP12, FKBP12C, PKC12, PKC12, PPIASE

Gene Description	FK506 binding protein 1A, 12kDa
Omim ID	186945
Gene Ontology	Hyperlink
Gene Summary	<p>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]</p>
Other Designations	FK506-binding protein 1 FK506-binding protein 12 FK506-binding protein 1A (12kD) FK506-binding protein, T-cell, 12-kD OTTHUMP00000029978 immunophilin FKBP12 peptidyl-prolyl cis-trans isomerase protein kinase C inhibitor 2 rotamase

Publication Reference

- [Immunophilin-loaded erythrocytes as a new delivery strategy for immunosuppressive drugs.](#)

Biagiotti S, Rossi L, Bianchi M, Giacomini E, Pierige F, Serafini G, Conaldi PG, Magnani M.

Journal of Controlled Release 2011 Sep; 154(3):306.

Application: Dot, Recombinant protein

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Kidney Failure](#)