

RecomAb™

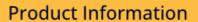
## FKBP1A recombinant monoclonal antibody, clone R04-9A8

Catalog # RAB06536 Size 100 uL

Specification	
Product Description	Rabbit recombinant monoclonal antibody raised against human FKBP1A.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human FKBP1A.
Theoretical MW (kDa)	Calculated MW: 12 kD
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	lgG
Recommend Usage	Immunofluorescence(1:50-1:200) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end use.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol and 0.02% Sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

## **Applications**

- Western Blot
- Immunofluorescence





Gene Info — FKBP1A	
Entrez GenelD	2280
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	<u>Hyperlink</u>
Gene Summary	The protein encoded by this gene is a member of the immunophilin protein family, which play a rol e in immunoregulation and basic cellular processes involving protein folding and trafficking. The p rotein is a cis-trans prolyl isomerase that binds the immunosuppressants FK506 and rapamycin. It interacts with several intracellular signal transduction proteins including type ITGF-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 my ocardium. 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
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

## Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Kidney Failure