

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 | IgG |
| 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 should be handled by trained staff only. |

Applications

- Western Blot
- Immunofluorescence

Gene Info — FKBP1A

Entrez GeneID [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 [Hyperlink](#)

Gene Summary 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]

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

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