

# FKBP1A monoclonal antibody, clone AAFH-6

Catalog # MAB20047      Size 100 uL

## Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human FKBP1A.
Immunogen	A synthetic peptide corresponding to human FKBP1A.
Host	Rabbit
Theoretical MW (kDa)	11.951
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. 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

- Immunocytochemistry
- Immunofluorescence

## Gene Info — FKBP1A

**Entrez GeneID** [2280](#)

**Protein Accession#** [P62942](#)

**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

## Disease

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