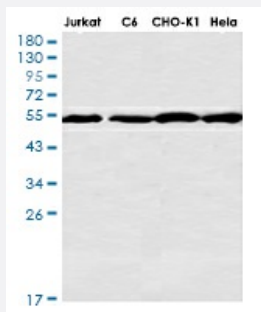


RecomAb™

FKBP4 recombinant monoclonal antibody, clone R03-4A3

Catalog # RAB01266 Size 100 uL

Applications



Western Blot

Western blot analysis of FKBP52 in Jurkat, C6, CHO-K1, HeLa lysates using FKBP52 antibody.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human FKBP4.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human FKBP52.
Theoretical MW (kDa)	Calculated MW: 52 kD
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry Immunofluorescence Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

Store at 4°C. For longer storage, aliquot and 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

Western blot analysis of FKBP52 in Jurkat, C6, CHO-K1, Hela lysates using FKBP52 antibody.

- Immunocytochemistry

- Immunofluorescence

Gene Info — FKBP4

Entrez GeneID[2288](#)**Protein Accession#**[Q02790](#)**Gene Name**

FKBP4

Gene Alias

FKBP52, FKBP59, HBI, Hsp56, PPlase, p52

Gene Description

FK506 binding protein 4, 59kDa

Omim ID[600611](#)**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. This encoded protein is a cis-trans prolyl isomerase that binds to the immunosuppressants FK506 and rapamycin. It has high structural and functional similarity to FK506-binding protein 1A (FKBP1A), but unlike FKBP1A, this protein does not have immunosuppressant activity when complexed with FK506. It interacts with interferon regulatory factor-4 and plays an important role in immunoregulatory gene expression in B and T lymphocytes. This encoded protein is known to associate with phytanoyl-CoA alpha-hydroxylase. It can also associate with two heat shock proteins (hsp90 and hsp70) and thus may play a role in the intracellular trafficking of hetero-oligomeric forms of the steroid hormone receptors. This protein correlates strongly with adeno-associated virus type 2 vectors (AAV) resulting in a significant increase in AAV-mediated transgene expression in human cell lines. Thus this encoded protein is thought to have important implications for the optimal use of AAV vectors in human gene therapy. The human genome contains several non-transcribed pseudogenes similar to this gene. [provided by RefSeq]

Other Designations

52 kD FK506 binding protein|FK506 binding protein 4 (59kD)|FK506 binding protein 52|FK506-binding protein 4 (59kD)|HSP binding immunophilin|T-cell FK506-binding protein, 59kD|p59 protein|peptidylprolyl cis-trans isomerase|rotamase

Disease

- [Asthma](#)
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- [Glaucoma](#)
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- [Syndrome](#)