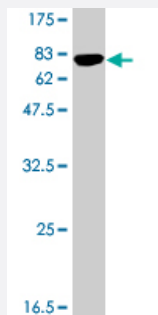


FKBP4 polyclonal antibody (A03)

Catalog # H00002288-A03

Size 50 uL

Applications



Western Blot detection against Immunogen (76.49 KDa) .

Specification

Product Description

Mouse polyclonal antibody raised against a full-length recombinant FKBP4.

Immunogen

FKBP4 (AAH07924.1, 1 a.a. ~ 459 a.a) full-length recombinant protein with GST tag.

Sequence

MTAEEMKATESGAQSAPLPMEGVDISPKQDEGVLKVIKREGTGTEMPMIGDRVFVHYTGWLLDG
TKFDSSLDRKDKFSFDLGKGEVIKAWDIAIATMKVGEVCHITCKPEYAYGSAGSPPKIPPATLVF
EVELFEFKGEDLTEEEDGGIIRRIQTRGEGYAKPNEGAVEVALEGYYKDKLFDQRELRFEGEGEN
LDLPYGLERAIQRMEKGEHSIVYLKPSYAFGSVGKEKFQIPPNAELKYELHLKSFEKAKESWEMNS
EEKLEQSTIVKERGTVYFKEGKYQALLQYKKIMSWLEYESSFSNEEAQKAQALRLASHNLAMC
HLKLQAFSAAIESCNKALELDSNNEKGLFRRGEAHLAVNDFELARADFQKVLQLYPNNKAAKTQL
AVCQQRIRRLAREKKLYANMFERLAEENKAKAEASSGDHPTDTEMKEEQKSNTAGSQSQVE
TEA

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (90); Rat (90)

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (76.49 KDa) .

Storage Buffer

50 % glycerol

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — FKBP4

Entrez GeneID [2288](#)

GeneBank Accession# [BC007924.1](#)

Protein Accession# [AAH07924.1](#)

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 phytyl-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

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- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
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