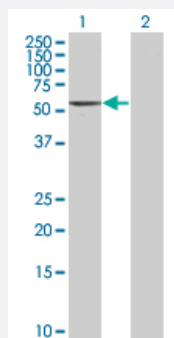


FKBP4 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00002288-T01

Size 100 uL

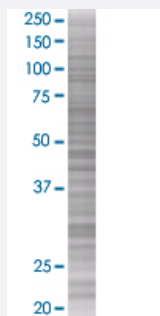
Applications



Western Blot

Lane 1: FKBP4 transfected lysate (51.8 KDa)

Lane 2: Non-transfected lysate.



SDS-PAGE Gel

FKBP4 transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-FKBP4 full-length
Host	Human
Theoretical MW (kDa)	50.6
Interspecies Antigen Sequence	Mouse (90); Rat (90)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-FKBP4 antibody ([H00002288-B01](#)) by Western Blots.
Western Blot
Lane 1: FKBP4 transfected lysate (51.8 KDa)
Lane 2: Non-transfected lysate.
SDS-PAGE Gel
FKBP4 transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — FKBP4

Entrez GeneID[2288](#)**GeneBank Accession#**[NM_002014](#)**Protein Accession#**[NP_002005](#)**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

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