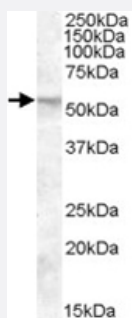


FKBP4 polyclonal antibody

Catalog # PAB11467 Size 100 ug

Applications



Western Blot (Tissue lysate)

FKBP4 polyclonal antibody (Cat # PAB11467) (0.01 ug/mL) staining of human placenta lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description Goat polyclonal antibody raised against synthetic peptide of FKBP4.

Immunogen A synthetic peptide corresponding to human FKBP4.

Sequence C-DHPTDTEMKEEQKSN

Host Goat

Theoretical MW (kDa) 51.8

Reactivity Human

Form Liquid

Purification Antigen affinity purification

Concentration 0.5 mg/mL

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage
 ELISA (1:8000)
 Western Blot (0.01-0.03 ug/mL)
 The optimal working dilution should be determined by the end user.

Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	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 (Tissue lysate)

FKBP4 polyclonal antibody (Cat # PAB11467) (0.01 ug/mL) staining of human placenta lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — FKBP4

Entrez GeneID	2288
Protein Accession#	NP_002005.1
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	<p>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]</p>
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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

Publication Reference

- [Binding of rapamycin analogs to calcium channels and FKBP52 contributes to their neuroprotective activities.](#)

Ruan B, Pong K, Jow F, Bowlby M, Crozier RA, Liu D, Liang S, Chen Y, Mercado ML, Feng X, Bennett F, von Schack D, McDonald L, Zaleska MM, Wood A, Reinhart PH, Magolda RL, Skotnicki J, Pangalos MN, Koehn FE, Carter GT, Abou-Gharbia M, Graziani EI.

PNAS 2008 Jan; 105(1):33.

Application: WB, Rat, F11 cells

Disease

- [Asthma](#)
- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Hypospadias](#)
- [Syndrome](#)