

FKBP4 rabbit monoclonal antibody

Catalog # H00002288-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human FKBP4 peptide using ARM Technology.
Immunogen	A synthetic peptide of human FKBP4 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human FKBP4 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — FKBP4

Entrez GeneID	2288
GeneBank Accession#	FKBP4
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 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]</p>
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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