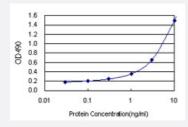


FKBP4 (Human) Matched Antibody Pair

Catalog # H00002288-AP22 Size 1 Set

Applications



Sandwich ELISA detection sensitivity ranging from 0.3 ng/ml to 100 ng/ml.

Specification	
Product Description	This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human FKBP4.
Reactivity	Human
Interspecies Antigen Sequence	Mouse (89%); Rat (89%)
Quality Control Testing	Standard curve using recombinant protein (H00002288-P01) as an analyte. Sandwich ELISA detection sensitivity ranging from 0.3 ng/ml to 100 ng/ml.
Supplied Product	Antibody pair set content: 1. Capture antibody: rabbit MaxPab® affinity purified polyclonal anti-FKBP4 (100 ug) 2. Detection antibody: mouse purified polyclonal anti-FKBP4 (20 ug) *Reagents are sufficient for at least 1-2 x 96 well plates using recommended protocols.
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze tha w cycle. Reagents should be returned to -20°C storage immediately after use.

Applications



• ELISA Pair (Recombinant protein)

Protocol Download

Gene Info — FKBP4	
Entrez GenelD	2288
Gene Name	FKBP4
Gene Alias	FKBP52, FKBP59, HBI, Hsp56, PPlase, p52
Gene Description	FK506 binding protein 4, 59kDa
Omim ID	<u>600611</u>
Gene Ontology	<u>Hyperlink</u>
Gene Summary	The protein encoded by this gene is a member of the immunophilin protein family, which play a rol e in immunoregulation and basic cellular processes involving protein folding and trafficking. This e ncoded protein is a cis-trans prolyl isomerase that binds to the immunosuppressants FK506 and r apamycin. It has high structural and functional similarity to FK506-binding protein 1A (FKBP1A), b ut 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 immunoregulato ry gene expression in B and T lymphocytes. This encoded protein is known to associate with phyt anoyl-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
- Genetic Predisposition to Disease
- Glaucoma
- Hypospadias



• Syndrome