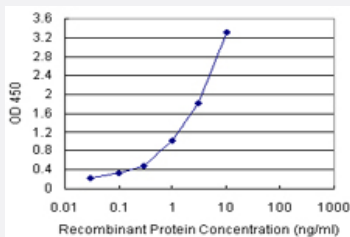


# FKBP4 (Human) Matched Antibody Pair

Catalog # H00002288-AP21

Size 1 Set

## Applications



Sandwich ELISA detection sensitivity ranging from 3 ng/ml to 100 ng/ml.

## Specification

<b>Product Description</b>	This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human FKBP4.
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Mouse (89%); Rat (89%)
<b>Quality Control Testing</b>	Standard curve using recombinant protein ( H00002288-P01 ) as an analyte. Sandwich ELISA detection sensitivity ranging from 3 ng/ml to 100 ng/ml.
<b>Supplied Product</b>	Antibody pair set content: 1. Capture antibody: rabbit MaxPab® affinity purified polyclonal anti-FKBP4 (100 ug) 2. Detection antibody: mouse polyclonal anti-FKBP4 (40 ul) *Reagents are sufficient for at least 3-5 x 96 well plates using recommended protocols.
<b>Storage Instruction</b>	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

## Applications

- ELISA Pair (Recombinant protein)

[Protocol Download](#)

## Gene Info — FKBP4

**Entrez GeneID** [2288](#)

**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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- [Glaucoma](#)
- [Hypospadias](#)

- [Syndrome](#)