

## FKBP4 Recombinant antibody

**Cat:** B33405D

**Company:** HaoKebio

**Uniprot ID:** Q02790

**Applications:** IHC:1:100

**Organism:** Rabbit

IHC-Polymer:1:400

**Species reactivity:** Human

IHC-TSA:1:500

**Molecular Weight Calculation:** 52 kDa

WB:1:1000

**Observed Molecular Weight:** 52 kDa

IP:1:20-1:50

FC:1:200-1:500

### Background:

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 pseudo genes similar to this gene.

### Synonyms:

HBI; p52; Hsp56; FKBP51; FKBP52; FKBP59; PPIase

### Immunogen:

Recombinant protein

### Isotype:

IgG

### Subcellular location:

Cytoplasm, Nucleus

### Purity:

Affinity purification

### Form:

Liquid

### Storage Buffer:

PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

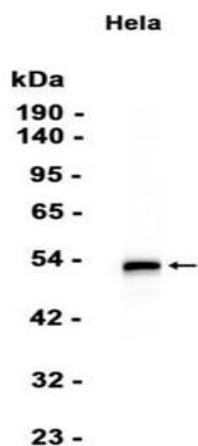
### Storage:

Store at -20 °C for one year.

### Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

### Images:



Dilution of 1:1000 incubated at room temperature for 1.5 hours.

**Source of Reagents:**

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