

## Product datasheet for **TA366287S**

### FKBP52 (FKBP4) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1000-5000 WB positive control: HepG2, 293T, 231, K562, Jurkat and Hela cell lysates IHC: 50-300 Positive control: Human esophagus cancer Predicted cell location: Cytoplasm and Nucleus
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human FKBP4
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	52 kDa
Gene Name:	FK506 binding protein 4
Database Link:	<a href="#">Entrez Gene 2288 Human Q02790</a>



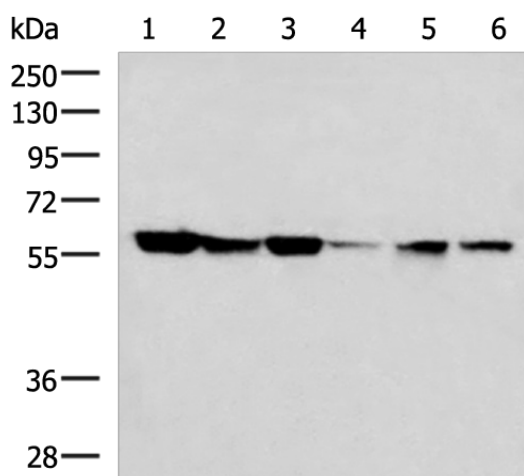
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**Background:**

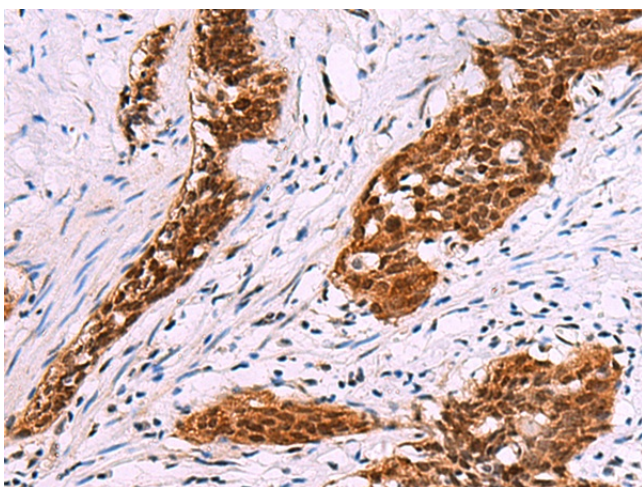
The protein encoded by this gene is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. This encoded protein is a cis-trans prolyl isomerase that binds to the immunosuppressants FK506 and rapamycin. 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 pseudogenes similar to this gene.

**Synonyms:**

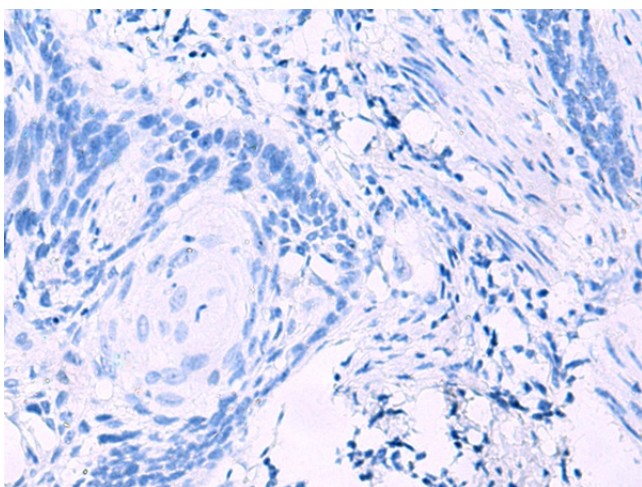
FKBP52; FKBP59; HBI; Hsp56; p52; PPIase; rotamase

**Product images:**

Gel: 8%SDS-PAGE  
Lysate: 40 µg  
Lane 1-6: HepG2  
293T  
231  
K562  
Jurkat and HeLa cell lysates  
Primary antibody: [TA366287] (FKBP4 Antibody)  
at dilution 1/700  
Secondary antibody: Goat anti rabbit IgG at  
1/5000 dilution  
Exposure time: 20 seconds



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using [TA366287] (FKBP4 Antibody) at dilution 1/50 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using [TA366287] (FKBP4 Antibody) at dilution 1/50, treated with fusion protein. (Original magnification:  $\times 200$ )