

Product datasheet for **TA308638**

FKBP52 (FKBP4) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	ICC/IF:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 1 and 207 of FKBP52 (Uniprot ID#Q02790)
Formulation:	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	52 kDa
Gene Name:	FK506 binding protein 4
Database Link:	NP_002005 Entrez Gene 14228 Mouse Entrez Gene 2288 Human Q02790



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Background:

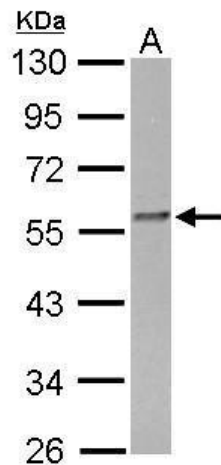
The protein encoded by this gene is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. This encoded protein is a cis-trans prolyl isomerase that binds to the immunosuppressants FK506 and rapamycin.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

Synonyms:

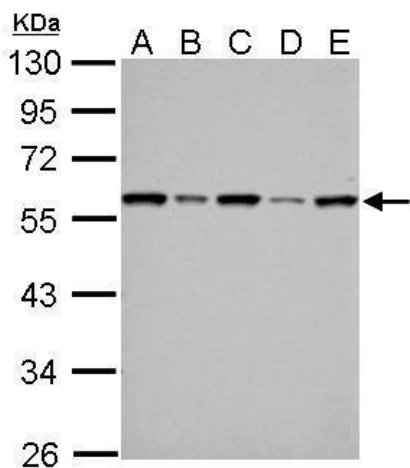
FKBP51; FKBP52; FKBP59; HBI; Hsp56; p52; PPlase

Protein Families:

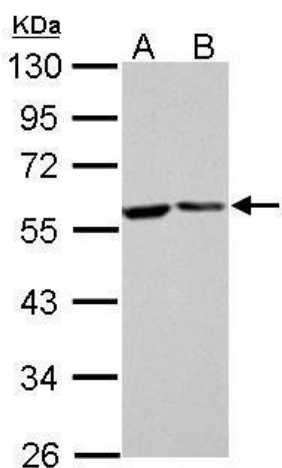
Druggable Genome

Product images:

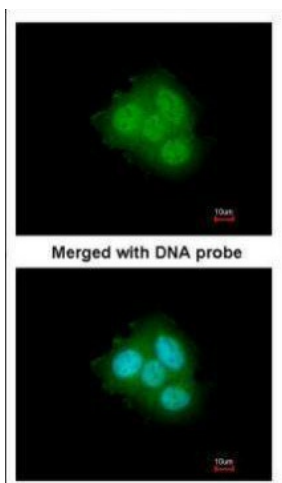
FKBP4 antibody detects FKBP4 protein by Western blot analysis. A. 30 ug Rat2 whole cell lysate/extract. 10 % SDS-PAGE. FKBP4 antibody (TA308638) dilution: 1:1000



FKBP4 antibody detects FKBP4 protein by Western blot analysis. A. 30 ug 293T whole cell lysate/extract. B. 30 ug A431 whole cell lysate/extract. C. 30 ug HeLa whole cell lysate/extract. D. 30 ug HepG2 whole cell lysate/extract. E. 30 ug A375 whole cell ly



FKBP4 antibody detects FKBP4 protein by Western blot analysis. A. 30 ug GL261 whole cell lysate/extract. B. 30 ug C8D30 whole cell lysate/extract. 10 % SDS-PAGE. FKBP4 antibody (TA308638) dilution: 1:1000



Immunofluorescence analysis of paraformaldehyde-fixed A431, using FKBP52 (TA308638) antibody at 1:200 dilution.