

## Product datasheet for **TA329129**

### FKBP52 (FKBP4) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-FKBP4 antibody: synthetic peptide directed towards the C terminal of human FKBP4. Synthetic peptide located within the following region: ANMFERLAEENKAKAEASSGDHPTDTEMKEEQSNTAGSQSQVETEA
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
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:	<a href="#">NP_002005</a> <a href="#">Entrez Gene 2288 Human</a> <a href="#">Q02790</a>



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**Background:**

FKBP4 is a component of unactivated mammalian steroid receptor complexes that sediment at 8-10 S. It may have a rotamase activity. FKBP4 may play a role in the intracellular trafficking of heterooligomeric forms of steroid hormone receptors. 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 heterooligomeric 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. This gene has been found to have multiple polyadenylation sites. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

**Synonyms:**

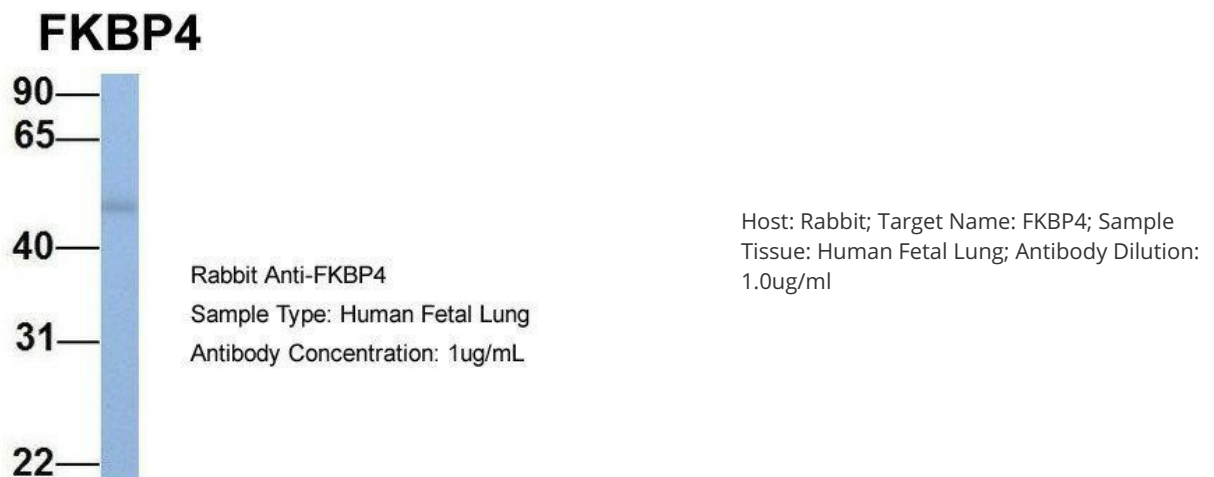
FKBP51; FKBP52; FKBP59; HBI; Hsp56; p52; PPIase

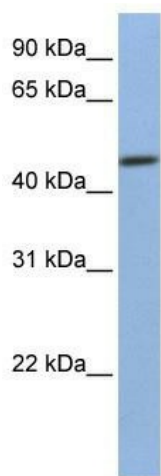
**Note:**

Immunogen sequence homology: Human: 100%; Pig: 75%

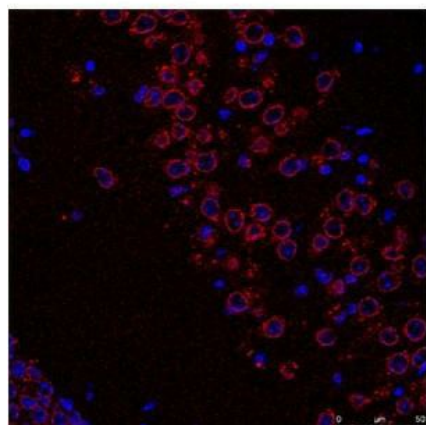
**Protein Families:**

Druggable Genome

**Product images:**


**FKBP4**

WB Suggested Anti-FKBP4 Antibody Titration: 0.2-1 ug/ml; Positive Control: 721\_B cell lysate FKBP4 is strongly supported by BioGPS gene expression data to be expressed in Human 721\_B cells



Sample Type: Mouse Brain Slices ; Red: primary; Blue: DAPI; Primary; Dilution: 1:400 ; Secondary Antibody: Anti-Rabbit IgG Alexa 594; Secondary; Dilution: 1:400 ; Image Submitted By: Adahir Labrador-Garrido and Cintia Roodveldt ; University of Seville; ;