

## ARG64827 anti-FKBP4 / FKBP52 antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes FKBP4 / FKBP52
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	FKBP4 / FKBP52
Species	Human
Immunogen	C-DHPTDTEMKEEQKSN
Conjugation	Un-conjugated
Alternate Names	Hsp56; FKBP59; HBI; FKBP-52; 52 kDa FK506-binding protein; PPlase FKBP4; FKBP52; Rotamase; FKBP51; Immunophilin FKBP52; 51 kDa FK506-binding protein; EC 5.2.1.8; PPlase; p59; FKBP-4; 52 kDa FKBP; 59 kDa immunophilin; Peptidyl-prolyl cis-trans isomerase FKBP4; FK506-binding protein 4; HSP-binding immunophilin; p52

### Application Instructions

Application table	Application	Dilution
	IHC-P	3 - 5 µg/ml
	WB	0.01 - 0.03 µg/ml

**Application Note**

WB: Recommend incubate at RT for 1h.  
 IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).  
 \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

#### Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

#### Database links

[GeneID: 2288 Human](#)

[Swiss-port # Q02790 Human](#)

#### 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, Sep 2008]

#### Research Area

Gene Regulation antibody; Signaling Transduction antibody

#### Calculated Mw

52 kDa

#### PTM

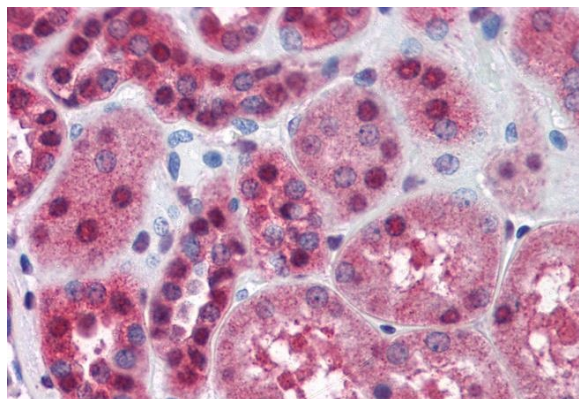
Phosphorylation by CK2 results in loss of HSP90 binding activity.

## Images



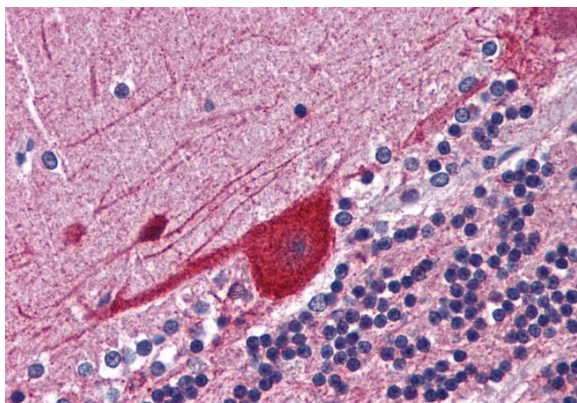
ARG64827 anti-FKBP4 / FKBP52 antibody WB image

Western Blot: Human Placenta lysate (35 µg protein in RIPA buffer) stained with ARG64827 anti-FKBP4 antibody at 0.01 µg/ml dilution.



ARG64827 anti-FKBP4 / FKBP52 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human kidney tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64827 anti-FKBP4 / FKBP52 antibody at 3.75 µg/ml dilution followed by AP-staining.



ARG64827 anti-FKBP4 / FKBP52 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human cerebellum tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64827 anti-FKBP4 / FKBP52 antibody at 3.75 µg/ml dilution followed by AP-staining.