

**FKBP4 / FKBP52 Antibody (C-Terminus)**  
**Goat Polyclonal Antibody**  
**Catalog # ALS13363****Specification**

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**FKBP4 / FKBP52 Antibody (C-Terminus) - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">Q02790</a>
Reactivity	Human, Monkey
Host	Goat
Clonality	Polyclonal
Calculated MW	52kDa KDa

**FKBP4 / FKBP52 Antibody (C-Terminus) - Additional Information****Gene ID** 2288**Other Names**

Peptidyl-prolyl cis-trans isomerase FKBP4, PPIase FKBP4, 5.2.1.8, 51 kDa FK506-binding protein, FKBP51, 52 kDa FK506-binding protein, 52 kDa FKBP, FKBP-52, 59 kDa immunophilin, p59, FK506-binding protein 4, FKBP-4, FKBP59, HSP-binding immunophilin, HBI, Immunophilin FKBP52, Rotamase, Peptidyl-prolyl cis-trans isomerase FKBP4, N-terminally processed, FKBP4, FKBP52

**Target/Specificity**

Human FKBP4 / FKBP52.

**Reconstitution & Storage**

Store at -20°C. Minimize freezing and thawing.

**Precautions**

FKBP4 / FKBP52 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**FKBP4 / FKBP52 Antibody (C-Terminus) - Protein Information****Name** FKBP4**Synonyms** FKBP52**Function**

Immunophilin protein with PPIase and co-chaperone activities. Component of steroid receptors heterocomplexes through interaction with heat-shock protein 90 (HSP90). May play a role in the intracellular trafficking of heterooligomeric forms of steroid hormone receptors between cytoplasm and nuclear compartments. The isomerase activity controls neuronal growth cones via regulation of TRPC1 channel opening. Acts also as a regulator of microtubule dynamics by inhibiting MAPT/TAU ability to promote microtubule assembly. May have a protective role against oxidative stress in mitochondria.

**Cellular Location**

Cytoplasm, cytosol. Mitochondrion. Nucleus {ECO:0000250|UniProtKB:P30416}. Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q9QVC8}. Cell projection, axon {ECO:0000250|UniProtKB:Q9QVC8}. Note=Shuttles from mitochondria to nucleus; co-localizes in mitochondria with the glucocorticoid receptor (PubMed:21730050). Colocalized with MAPT/TAU in the distal part of the primary cortical neurons (By similarity) {ECO:0000250|UniProtKB:Q9QVC8, ECO:0000269|PubMed:21730050}

**Tissue Location**

Widely expressed..

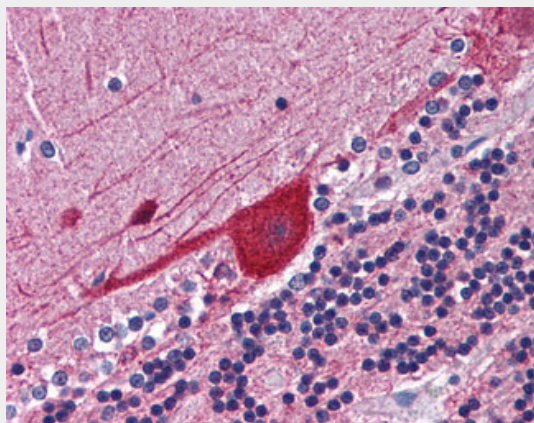
**FKBP4 / FKBP52 Antibody (C-Terminus) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

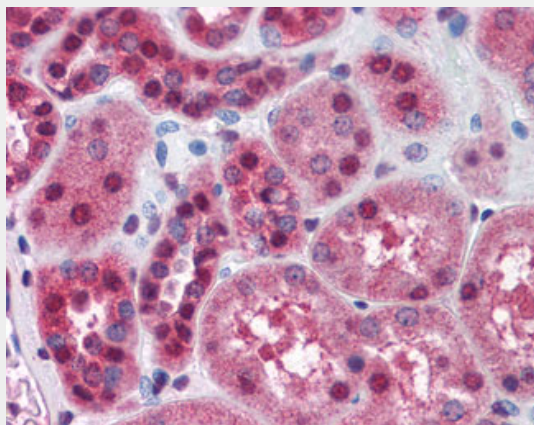
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**FKBP4 / FKBP52 Antibody (C-Terminus) - Images**

Antibody (0.01 ug/ml) staining of Human Placenta lysate (35 ug protein in RIPA buffer).



Anti-FKBP52 antibody IHC of human brain, cerebellum.



Anti-FKBP52 antibody IHC of human kidney.

#### **FKBP4 / FKBP52 Antibody (C-Terminus) - Background**

Immunophilin protein with PPIase and co-chaperone activities. Component of steroid receptors heterocomplexes through interaction with heat-shock protein 90 (HSP90). May play a role in the intracellular trafficking of heterooligomeric forms of steroid hormone receptors between cytoplasm and nuclear compartments. The isomerase activity controls neuronal growth cones via regulation of TRPC1 channel opening. Acts also as a regulator of microtubule dynamics by inhibiting MAPT/TAU ability to promote microtubule assembly. May have a protective role against oxidative stress in mitochondria.

#### **FKBP4 / FKBP52 Antibody (C-Terminus) - References**

Peattie D.A., et al. Proc. Natl. Acad. Sci. U.S.A. 89:10974-10978(1992).  
Scherer S.E., et al. Nature 440:346-351(2006).  
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.  
Bienvenut W.V., et al. Submitted (JAN-2010) to UniProtKB.  
Tai P.-K.K., et al. Science 256:1315-1318(1992).