10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

FKBP52/Hsp56 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10677

Specification

FKBP52/Hsp56 Antibody - Product Information

Application	**WB**
Primary Accession	P30416
Other Accession	NP_034349
Reactivity	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**51572**

FKBP52/Hsp56 Antibody - Additional Information

Gene ID 14228

Application & Usage	**Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. The antibody detects 55 kDa band in samples from human, mouse and rat origins.**

Other Names
FKBP4, Hsp56, FK506 binding protein 4, p52, FKBP59

Target/Specificity
FKBP52/Hsp56

Antibody Form
Liquid

Appearance
Colorless liquid

Formulation
100 µg (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions

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FKBP52/Hsp56 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

FKBP52/Hsp56 Antibody - Protein Information

Name Fkbp4

Synonyms Fkpb52

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 {ECO:0000250|UniProtKB:Q02790}. Nucleus. Cytoplasm, cytoskeleton. Note=Shuttles from mitochondria to nucleus; co-localizes in mitochondria with the glucocorticoid receptor Colocalized with MAPT/TAU in the distal part of the primary cortical neurons. {ECO:0000250|UniProtKB:Q02790, ECO:0000250|UniProtKB:Q9QVC8}

FKBP52/Hsp56 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FKBP52/Hsp56 Antibody - Images

FKBP52/Hsp56 Antibody - Background

FKBP52 (also known as FKBP4, Hsp56, FK506 binding protein 4, p52, FKBP59) is a 55kDa peptidyl-propyl isomerase. FKBP52 catalyzes the transition between cis- and trans- proline residues which is important in immunoregulation and proper protein folding and trafficking. FKBP52 may involve in the intracellular trafficking of hetero-oligomeric forms of the steroid hormone receptors.