

FKBP52/Hsp56 Blocking Peptide
Catalog # PBV10405b**Specification**

FKBP52/Hsp56 Blocking Peptide - Product Information

Primary Accession	P30416
Other Accession	NP_034349
Gene ID	14228
Calculated MW	51572

FKBP52/Hsp56 Blocking Peptide - Additional Information**Gene ID** 14228**Application & Usage**

The peptide is used for blocking the antibody activity of FKBP52. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

Other Names

Peptidyl-prolyl cis-trans isomerase FKBP4, PPIase FKBP4, 5.2.1.8, 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, Fkpb52

Target/Specificity

FKBP52/Hsp56

Formulation

50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

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

FKBP52/Hsp56 Blocking Peptide - Protein Information**Name** Fkbp4**Synonyms** Fkpb52

Function

Immunophilin protein with PPlase 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 Blocking Peptide - 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](#)

FKBP52/Hsp56 Blocking Peptide - Images