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FKBP38 Blocking Peptide
Catalog # PBV10300b

Specification

FKBP38 Blocking Peptide - Product Information

Primary Accession	O35465
Other Accession	AY225340
Gene ID	14232
Calculated MW	43529

FKBP38 Blocking Peptide - Additional Information

Gene ID 14232

Application & Usage	**The peptide is used for blocking the antibody activity of FKBP38. 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 FKBP8, PPIase FKBP8, 5.2.1.8, 38 kDa FK506-binding protein, 38 kDa FKBP, FKBP-38, mFKBP38, FK506-binding protein 8, FKBP-8, FKBPR38, Rotamase, Fkbp8, Fkbp38, Sam11

Target/Specificity
FKBP38

Formulation
50 µg (0.2 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
FKBP38 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

FKBP38 Blocking Peptide - Protein Information

Name Fkbp8

Synonyms Fkbp38, Sam11

Function
Constitutively inactive PPiase, which becomes active when bound to calmodulin and calcium. Seems to act as a chaperone for BCL2, targets it to the mitochondria and modulates its phosphorylation state. The BCL2/FKBP8/calmodulin/calcium complex probably interferes with the binding of BCL2 to its targets. The active form of FKBP8 may therefore play a role in the regulation of apoptosis (By similarity). Required for normal embryonic development.

Cellular Location
Mitochondrion membrane; Single-pass membrane protein; Cytoplasmic side

Tissue Location
Detected throughout the embryonic body, in caudal neural tube, limbs and head. Detected in adult retina, brain, heart, kidney, liver, pancreas, lung, testis and urinary bladder (at protein level). Detected in adult brain, kidney, liver, testis and trigeminal nerve, and in embryo. Detected at lower levels in lung, spleen, heart and ovary. Widely expressed in forebrain. Detected in the Purkinje cell layer in the cerebellum and in hippocampus neurons

FKBP38 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 Cytomety
- Cell Culture

FKBP38 Blocking Peptide - Images