

FKBP12 Blocking Peptide
Catalog # PBV10282b**Specification**

FKBP12 Blocking Peptide - Product Information

Primary Accession	P26883
Gene ID	14225
Calculated MW	11923

FKBP12 Blocking Peptide - Additional Information**Gene ID** 14225**Application & Usage**

The peptide is used for blocking the antibody activity of FKBP12. 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 FKBP1A, PPIase FKBP1A, 5.2.1.8, 12 kDa FK506-binding protein, 12 kDa FKBP, FKBP-12, Calstabin-1, FK506-binding protein 1A, FKBP-1A, Immunophilin FKBP12, Rotamase, Fkbp1a, Fkbp1

Target/Specificity

FKBP12

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**

FKBP12 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

FKBP12 Blocking Peptide - Protein Information**Name** Fkbp1a**Synonyms** Fkbp1**Function**

Keeps in an inactive conformation TGFBR1, the TGF-beta type I serine/threonine kinase receptor, preventing TGF-beta receptor activation in absence of ligand. Recruits SMAD7 to ACVR1B which prevents the association of SMAD2 and SMAD3 with the activin receptor complex, thereby blocking the activin signal. May modulate the RYR1 calcium channel activity. PPlases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides (By similarity).

Cellular Location

Cytoplasm, cytosol {ECO:0000250|UniProtKB:P62942}. Sarcoplasmic reticulum membrane {ECO:0000250|UniProtKB:P62943}; Peripheral membrane protein {ECO:0000250|UniProtKB:P62943}; Cytoplasmic side {ECO:0000250|UniProtKB:P62943}

FKBP12 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](#)

FKBP12 Blocking Peptide - Images