

**FKBP12 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10479****Specification**

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**FKBP12 Antibody - Product Information**

Application	WB, IHC, IP
Primary Accession	<a href="#">P26883</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	11923

**FKBP12 Antibody - Additional Information****Gene ID** 14225

Application & Usage	Western blot (0.5-4 µg/ml), immunoprecipitation (2-10 µg/ml) and Immunohistochemistry (2-10 µg/ml). However, the optimal conditions should be determined individually. The antibody detects 12 kDa FKBP12 protein in samples from human, mouse, and rat origins.
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**Other Names**  
FKBP1A , FKBP1 , FKBP12**Target/Specificity**  
FKBP 12**Antibody Form**  
Liquid**Appearance**  
Colorless liquid**Formulation**  
100 µg (0.5 mg/ml) 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**

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

**FKBP12 Antibody - 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 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 Cytometry](#)
- [Cell Culture](#)

**FKBP12 Antibody - Images****FKBP12 Antibody - Background**

FKBP12 is a member of the family of soluble receptors capable of binding to one of two major immunosuppressant agents. FKBP12 also plays a role in intracellular calcium regulation by associating with three types of calcium release channel complexes, cardiac and skeletal ryanodine receptors and the inositol 1,4,5-trisphosphate receptor. In interactions with members of the TGF beta family type I receptors, FKBP12 has been shown to exert an inhibitory effect on the signaling pathway.