

**FKBP12 Antibody**  
Rabbit mAb  
Catalog # AP91210

## Specification

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### FKBP12 Antibody - Product Information

Application	WB, ICC
Primary Accession	<a href="#">P62942</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
FKBP 12; FKBP 1A; FKBP1; FKBP12 Exip3; FKBP12C; fkbp1a; Immunophilin FKBP12; PKC12; PPlase FKBP1A; Rotamase;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	11951 Da

### FKBP12 Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human FKBP12
Description	May play a role in modulation of ryanodine receptor isoform-1 (RYR-1), a component of the calcium release channel of skeletal muscle sarcoplasmic reticulum. There are four molecules of FKBP12 per skeletal muscle RYR. PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

### FKBP12 Antibody - Protein Information

**Name** FKBP1A

**Synonyms** FKBP1, FKBP12

#### 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. PPIases accelerate the folding

of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides.

#### Cellular Location

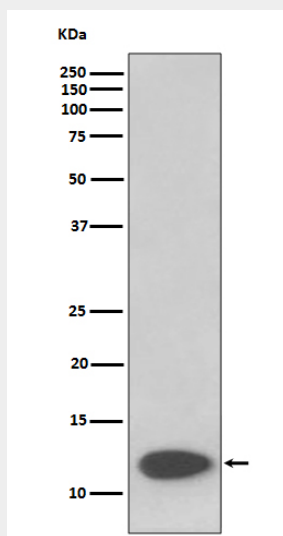
Cytoplasm, cytosol. Sarcoplasmic reticulum membrane {ECO:0000250|UniProtKB:P62943};  
Peripheral membrane protein {ECO:0000250|UniProtKB:P62943}; Cytoplasmic side  
{ECO:0000250|UniProtKB:P62943}

#### 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



Western blot analysis of FKBP12 expression in SH-SY5Y cell lysate.