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FKBP12 Antibody

Rabbit mAb
Catalog # AP91210

Product Information

Application	WB, IF, ICC
Primary Accession	P62942
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	FKBP 12; FKBP 1A; FKBP1; FKBP12 Exip3; FKBP12C; fkbp1a; Immunophilin FKBP12; PKC12; PPIase FKBP1A; Rotamase;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	11951

Additional Information

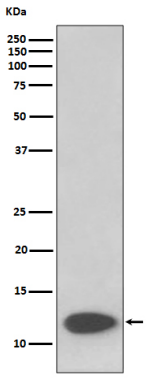
Dilution	WB 1:1000~1:5000 ICC/IF 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human FKBP12
Description	May play a role in modulation of ryanodine receptor isoform-1 (RYR-1), a component of the calcium release channel of skeletal muscle sarcoplasmic reticulum. 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.

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}

Images



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