

Product Name: FKBP12 (17C15) Rabbit Monoclonal Antibody
Catalog #: AMRe11001



Summary

Production Name	FKBP12 (17C15) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	FKBP1A
Alternative Names	FKBP 12; FKBP 1A; FKBP1; FKBP12 Exp3; FKBP12C; fkbp1a; Immunophilin FKBP12; PKC12; PPIase FKBP1A; Rotamase;
Gene ID	2280.0
SwissProt ID	P62942.

Application

Dilution Ratio	WB 1:1000~1:5000
Molecular Weight	12kDa

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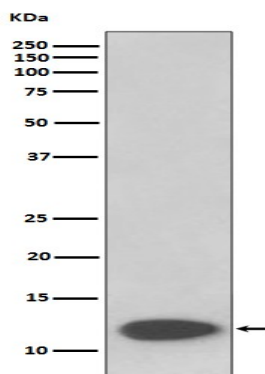


Background

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. 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.

Research Area

Image Data



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

Note

For research use only.