

DATASHEET

FKBP12 Mouse Monoclonal Antibody(C3849)

CAT. NO. AMA03461

KEY FEATURES

Target	FKBP12	Source / Host	Mouse
Reactivity	Human, Mouse, Rat	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

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.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:1000 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

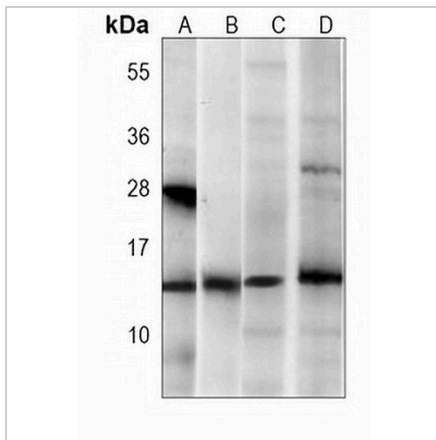
Description	Mouse monoclonal antibody to FKBP12
Specificity	Recognizes endogenous levels of FKBP12 protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide of human FKBP12. The exact sequence is proprietary.
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 11 kD; Observed: 12 kD
Form/Buffer	Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	FKBP1; FKBP12; Peptidyl-prolyl cis-trans isomerase FKBP1A; PPIase FKBP1A; 12 kDa FK506-binding protein; 12 kDa FKBP; FKBP-12; Calstabin-1; FK506-binding protein 1A; FKBP-1A; Immunophilin FKBP12; Rotamase
Gene Symbol	FKBP1A
Entrez Gene	2280(Human); 14225(Mouse); 25639(Rat)
SwissProt	P62942(Human); P26883(Mouse); Q62658(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of FKBP12 expression in Jurkat (A), MCF7 (B), mouse brain (C), rat brain (D) whole cell lysates. (Predicted band size: 11 kD; Observed band size: 12 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.