

DATASHEET
FKBP5 Rabbit Monoclonal Antibody(C1921)
CAT. NO. AMA01533
KEY FEATURES

Target	FKBP5	Source / Host	Rabbit
Reactivity	Human, Rat	Clonality	Monoclonal
Applications	WB, IP	Conjugation	Unconjugated
Form / Buffer	Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Immunophilin protein with PPIase and co-chaperone activities . Component of unligated steroid receptors heterocomplexes through interaction with heat-shock protein 90 (HSP90). Plays a role in the intracellular trafficking of heterooligomeric forms of steroid hormone receptors maintaining the complex into the cytoplasm when unliganded . Acts as a regulator of Akt/AKT1 activity by promoting the interaction between Akt/AKT1 and PHLPP1, thereby enhancing dephosphorylation and subsequent activation of Akt/AKT1 . Interacts with IKBKE and IKBKB which facilitates IKK complex assembly leading to increased IKBKE and IKBKB kinase activity, NF-kappa-B activation, and IFN production .

APPLICATION

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

WB	1:500 - 1:1000
IP	1:10 - 1:50

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

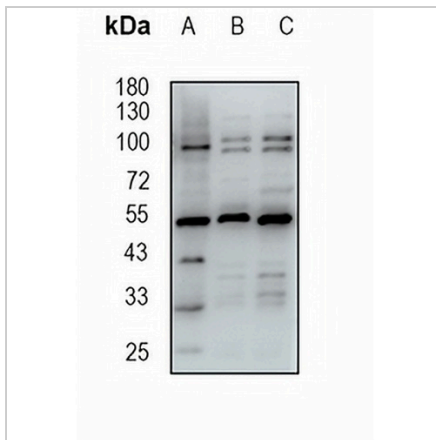
Description	Recombinant rabbit monoclonal antibody to FKBP5
Specificity	Recognizes endogenous levels of FKBP5 protein
Antibody Type	Primary antibody, Recombinant
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within human FKBP5 protein. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 51 kD; Observed: 51 kD
Form/Buffer	Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.
Alternative Names	AIG6; FKBP51; Peptidyl-prolyl cis-trans isomerase FKBP5; PPIase FKBP5; 51 kDa FK506-binding protein; 51 kDa FKBP; FKBP-51; 54 kDa progesterone receptor-associated immunophilin; Androgen-regulated protein 6; FF1 antigen; FK506-binding protein 5; FKBP-5; FKBP54; p54; HSP90-binding immunophilin; Rotamase
Gene Symbol	FKBP5
Entrez Gene	2289(Human)
SwissProt	Q13451(Human)

*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 FKBP5 expression in rat brain (A), HEK293T (B), MDAMB231 (C) whole cell lysates. (Predicted band size: 51 kD; Observed band size: 51 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.