

DATASHEET

14-3-3 zeta Mouse Monoclonal Antibody(C3851)

CAT. NO. AMA03463

KEY FEATURES

Target	14-3-3 zeta	Source / Host	Mouse
Reactivity	Human, Mouse, Rat	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Mouse IgG2b kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways . Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif . Binding generally results in the modulation of the activity of the binding partner . Promotes cytosolic retention and inactivation of TFEB transcription factor by binding to phosphorylated TFEB . Induces ARHGEF7 activity on RAC1 as well as lamellipodia and membrane ruffle formation . In neurons, regulates spine maturation through the modulation of ARHGEF7 activity .

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
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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 14-3-3 zeta
Specificity	Recognizes endogenous levels of 14-3-3 zeta protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human 14-3-3 zeta. The exact sequence is proprietary.
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 27 kD; Observed: 28 kD
Form/Buffer	Mouse IgG2b kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	14-3-3 protein zeta/delta; Protein kinase C inhibitor protein 1; KCIP-1
Gene Symbol	YWHAZ
Entrez Gene	7534(Human); 22631(Mouse); 25578(Rat)
SwissProt	P63104(Human); P63101(Mouse); P63102(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.

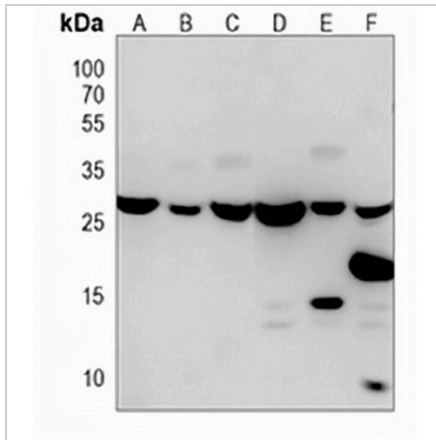
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA



Western blot analysis of 14-3-3 zeta expression in A431 (A), HepG2 (B), NIH3T3 (C), PC12 (D), C6 (E), mouse brain (F) whole cell lysates. (Predicted band size: 27 kD; Observed band size: 28 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.