

DATASHEET

14-3-3 zeta (Phospho-T232) Rabbit Polyclonal Antibody

CAT. NO. APA10308

KEY FEATURES

Target	14-3-3 zeta (Phospho-T232)	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat, Bovine, Chicken, Pig, Sheep	Clonality	Polyclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, 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
IHC	1:100 - 1:200

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

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to 14-3-3 zeta (Phospho-T232)
Specificity	Recognizes endogenous levels of 14-3-3 zeta protein only when phosphorylated at T232.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding T232 of human 14-3-3 zeta protein. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 27 kD; Observed: 28 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, 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.

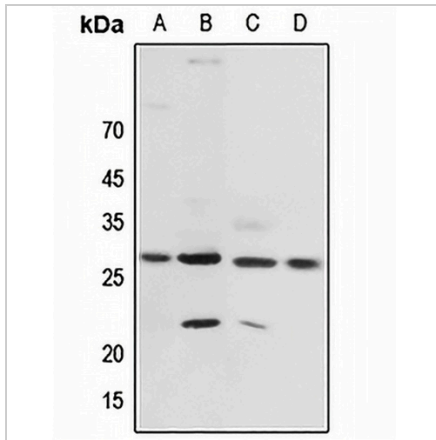
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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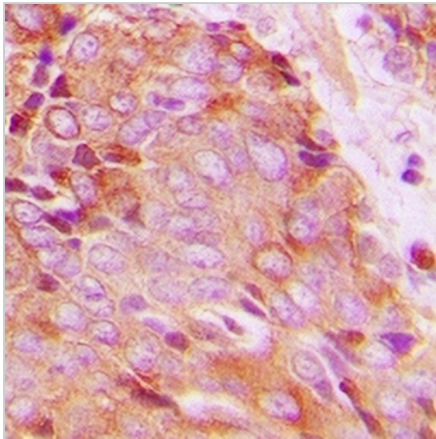
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Western blot analysis of 14-3-3 zeta (Phospho-T232) expression in HeLa (A), AGS (B), rat brain (C), rat spleen (D) whole cell lysates. (Predicted band size: 27 kD; Observed band size: 28 kD)



Immunohistochemical analysis of 14-3-3 zeta (Phospho-T232) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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.