DATASHEET

14-3-3-pan (Acetyl-K51/49) Rabbit Polyclonal Antibody

CAT. NO. APA12069

KEY FEATURES

Target	14-3-3-pan (Acetyl-K51/49)	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat, Bovine, Sheep, Zebrafish	Clonality	Polyclonal
Applications	WB	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. Negative regulator of osteogenesis. Blocks the nuclear translocation of the phosphorylated form (by AKT1) of SRPK2 and antagonizes its stimulatory effect on cyclin D1 expression resulting in blockage of neuronal apoptosis elicited by SRPK2. Negative regulator of signaling cascades that mediate activation of MAP kinases via AKAP13.

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

*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-pan (Acetyl-K51/49)
Specificity	Recognizes endogenous levels of 14-3-3-pan protein only when acetylated at K51/49.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic acetylated peptide corresponding to residues surrounding K51/49 of human 14-3-3-pan protein. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 28; Observed: 27 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	YWHAB; 14-3-3 protein beta/alpha; Protein 1054; Protein kinase C inhibitor protein 1; KCIP-1; YWHAG; 14-3-3 protein gamma; Protein kinase C inhibitor protein 1; KCIP-1; YWHAQ; 14-3-3 protein theta; 14-3-3 protein T-cell; 14-3-3 protein tau; Protein HS1; YWHAZ; 14-3-3 protein zeta/delta; Protein kinase C inhibitor protein 1; KCIP-1; SFN; HME1; 14-3-3 protein sigma; Epithelial cell marker protein 1; Stratifin
Gene Symbol	YWHAB; YWHAG; YWHAQ; YWHAZ; SFN
Entrez Gene	7529; 7532; 10971; 7534; 2810(Human); 54401; 22628; 22630; 22631(Mouse); 56011; 56010; 25577; 25578(Rat)
SwissProt	P31946; P61981; P27348; P63104; P31947(Human); Q9CQV8; P61982; P68254; P63101(Mouse); P35213; P61983; P68255; 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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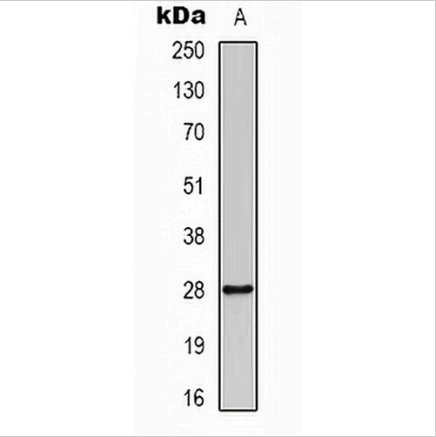

Western blot analysis of 14-3-3-pan (Acetyl-K51/49) expression in mouse spleen (A) whole cell lysates. (Predicted band size: 28; 27 kD; Observed band size: 27 kD)

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.