Technical support: order@acebiolab.com

Phone: 886-3-2870051

Ver.1 Date: 20180222

14-3-3 Family Antibody Sampler Kit

Cat# AK0101

Upon receipt, store at -20°C. Avoid freeze/thaw cycles.

PRODUCT DESCRIPTION

The 14-3-3 family of proteins plays a key regulatory role in signal transduction, checkpoint control, apoptotic and nutrient-sensing pathways . 14-3-3 proteins are highly conserved and ubiquitously expressed. There are at least seven isoforms, β , γ , ε , σ , ζ , τ , and η that have been identified in mammals. The initially described α and δ isoforms are confirmed to be phosphorylated forms of β and ζ , respectively. Through their amino-terminal α helical region, 14-3-3 proteins form homo- or heterodimers that interact with a wide variety of proteins: transcription factors, metabolic enzymes, cytoskeletal proteins, kinases, phosphatases, and other signaling molecules. The interaction of 14-3-3 proteins with their targets is primarily through a phospho-Ser/Thr motif. However, binding to divergent phospho-Ser/Thr motifs, as well as phosphorylation independent interactions has been observed. 14-3-3 binding masks specific sequences of the target protein, and therefore, modulates target protein localization, phosphorylation state, stability, and molecular interactions. 14-3-3 proteins may also induce target protein conformational changes that modify target protein function. Distinct temporal and spatial expression patterns of 14-3-3 isoforms have been observed in development and in acute response to extracellular signals and drugs, suggesting that 14-3-3 isoforms may perform different functions despite their sequence similarities. Several studies suggest that 14-3-3 isoforms are differentially regulated in cancer and neurological syndromes.

PRODUCT INCLUDES

Cat No.	Product name	Quantity	Applications	Reactivity	Host
A340411	14-3-3 beta/alpha Polyclonal Antibody	20μL	WB, IHC, IF, ELISA	Human,	Rabbit
				Mouse, Rat	
A340412	14-3-3 epsilon Polyclonal Antibody	20μL	WB, IHC, IF, ELISA	Human,	Rabbit
7340412				Mouse, Rat	
A340413	14-3-3 zeta/delta Polyclonal Antibody	20μL	WB, IHC, IF, IP, ELISA	Human,	Rabbit
A340413				Mouse, Rat	
A240414	14-3-3 theta Polyclonal Antibody	20μL	WB, IHC, IF, ELISA	Human,	Rabbit
A340414				Mouse, Rat	
A24041F	14-3-3 theta Polyclonal Antibody	20μL	WB, IHC, IF, ELISA	Human,	Rabbit
A340415				Mouse, Rat	



A1013s	N 1 O 1 2 o	Goat Anti-Rabbit IgG (H+L)	120	M/D FLICA	Rabbit	Cost
	(peroxidase/HRP conjugated)	120μL	WB,ELISA	Kabbit	Goat	

PRODUCT USE LIMITATION

These products are intended for research use only.

