

For Research Use Only

Phospho-BAD (Ser112) Recombinant monoclonal antibody

Catalog Number: 80431-2-RR



Basic Information

Catalog Number:	80431-2-RR	GenBank Accession Number:	BC001901	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI):	572	CloneNo.:	251074F11
Source:	Rabbit	UNIPROT ID:	Q92934	Recommended Dilutions:	WB: 1:500-1:2000
Isotype:	IgG	Full Name:	BCL2-associated agonist of cell death		
		Calculated MW:	18 kDa		
		Observed MW:	25 kDa		

Applications

Tested Applications:	Positive Controls:
WB, ELISA	WB: HEK-293 cells,
Species Specificity:	

human

Background Information

BAD, a distant member of the BCL-2 family, exerts its death promoting effect by hetero-dimerizing with BCL-XL and BCL-2 death antagonists in the mitochondria. The function of the pro-apoptotic molecule BAD is regulated by phosphorylation of two sites, serine-112 (Ser-112) and serine-136 (Ser-136). Phosphorylation at either site results in loss of the ability of BAD to heterodimerize with the survival proteins BCL-XL or BCL-2. Phosphorylated BAD binds to 14-3-3 and is sequestered in the cytoplasm. (PMID: 10597268)

Storage

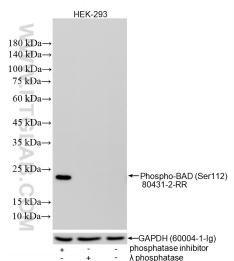
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Non-treated HEK-293 cells, phosphatase inhibitor treated HEK-293 cells and λ phosphatase treated HEK-293 cells were subjected to SDS PAGE followed by western blot with 80431-2-RR (Phospho-BAD (Ser112) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH (60004-1-Ig) antibody as a loading control.