

For Research Use Only

Phospho-Beta Arrestin 1 (Ser412) Recombinant monoclonal antibody, PBS Only

Catalog Number: 87795-3-PBS



Basic Information

Catalog Number: 87795-3-PBS	GenBank Accession Number: NM_004041	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 408	CloneNo.: 253371E6
Source: Rabbit	UNIPROT ID: P49407	
Isotype: IgG	Full Name: arrestin, beta 1	
	Calculated MW: 47 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

β -Arrestins (ARRBs), the best known regulators of G protein-coupled receptor signaling, are versatile and multifunctional adapter proteins that regulate diverse cellular functions, including cell growth, apoptosis and immune responses. Phospho- β -arrestin 1 (Ser412) is a key phosphorylated isoform of β -arrestin 1. Its Ser412 residue is mainly phosphorylated by ERK, governing GPCR desensitization, receptor internalization and downstream signal transduction. This modification regulates β -arrestin 1 subcellular localization and scaffold function, participating in cell proliferation and insulin-related ERK signaling desensitization as a vital negative feedback regulator. (PMID: 10347142, PMID: 15520010)

Storage

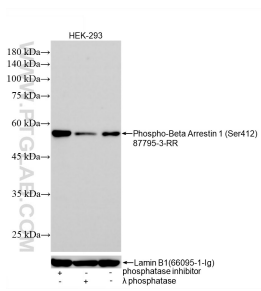
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

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

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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 87795-3-RR (Phospho-Beta Arrestin 1 (Ser412) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Lamin B1 (66095-1-Ig) antibody as a loading control. This data was developed using the same antibody clone with 87795-3-

