

For Research Use Only

Phospho-Beta Arrestin 1 (Ser412) Recombinant monoclonal antibody

Catalog Number: 87795-3-RR



Basic Information

Catalog Number:

87795-3-RR

Size:

100ul , Concentration: 1000 µg/ml by 408
Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_004041

GeneID (NCBI):

408

UNIPROT ID:

P49407

Full Name:

arrestin, beta 1

Calculated MW:

47 kDa

Observed MW:

50 kDa

Purification Method:

Protein A purification

CloneNo.:

253371E6

Recommended Dilutions:

WB: 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HEK-293 cells,

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 -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

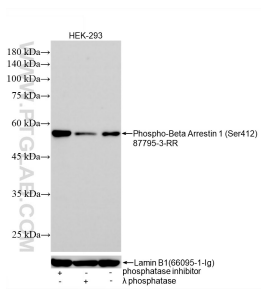
For technical support and original validation data for this product please contact:

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

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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.