

For Research Use Only

Phospho-ASK1 (Ser83) Recombinant antibody

Catalog Number: 80072-2-RR



Basic Information

Catalog Number:

80072-2-RR

Size:

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

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC054503

GeneID (NCBI):

4217

UNIPROT ID:

Q99683

Full Name:

mitogen-activated protein kinase kinase kinase 5

Calculated MW:

155 kDa

Observed MW:

150 kDa

Purification Method:

Protein A purification

CloneNo.:

241532B3

Recommended Dilutions:

WB 1:1000-1:4000

Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB : HEK-293 cells, λ phosphatase treated HEK-293 cells

Background Information

ASK1 (Apoptosis signal-regulating kinase 1) is also named as MAP3K5, MAPKKK5, MEK5 and belongs to the MAP kinase kinase kinase subfamily. ASK1 is reportedly regulated by phosphorylation and dephosphorylation at four different phosphorylation sites. ASK1 activation is accompanied by phosphorylation of Thr845 and dephosphorylation of Ser83, Ser967, and Ser1034. STRAP actually decreased Thr838 (corresponding to Thr845 in mice) phosphorylation but increased Ser83 and Ser967 phosphorylation, an effect that would inactivate ASK1. (PMID: 19880523)

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

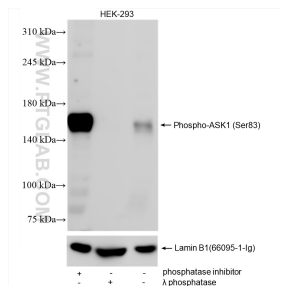
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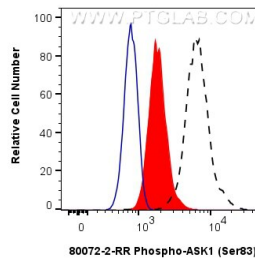
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Selected Validation Data



Non-treated, phosphatase inhibitor treated and λ phosphatase treated HEK-293 cells were subjected to SDS PAGE followed by western blot with 80072-2-RR (Phospho-ASK1 (Ser83) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Lamin B1 (66095-1-Ig) antibody as a control.



1×10^6 HEK-293 cells untreated (dashed lines) or treated with λ phosphatase which intracellularly stained with 0.13 μ g Phospho-ASK1 (Ser83) Recombinant antibody (80072-2-RR, Clone: 241532B3) and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG (H+L) (SA00013-2) (red), or 0.13 μ g Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.