

For Research Use Only

Phospho-ASK1 (Ser83) Polyclonal antibody



Catalog Number: 28847-1-AP

Basic Information

Catalog Number:

28847-1-AP

Size:

220 µg/ml

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:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human

Positive Controls:

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

Background Information

ASK1 (Apoptosis signal-regulating kinase 1) is also named as MAP3K5, MAPKKK5, MEKK5 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

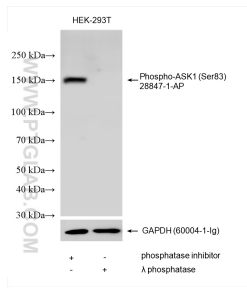
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Selected Validation Data



Phosphatase inhibitor treated and λ phosphatase treated HEK-293T cells were subjected to SDS PAGE followed by western blot with 28847-1-AP (Phospho-ASK1 (Ser83) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.