

For Research Use Only

Phospho-ASK1 (Ser83) Polyclonal antibody



Catalog Number: 28847-1-AP

Basic Information

Catalog Number: 28847-1-AP	GenBank Accession Number: BC054503	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 220 µg/ml by Nanodrop;	GeneID (NCBI): 4217	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: mitogen-activated protein kinase kinase kinase 5	
Isotype: IgG	Calculated MW: 155 kDa	
	Observed MW: 150 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HEK-293T cells, λ phosphatase treated HEK-293T cells
Species Specificity: Human	

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 pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

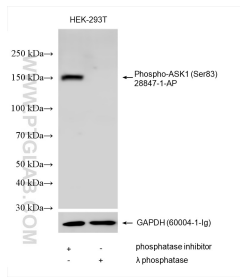
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Selected Validation Data



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.