For Research Use Only

Phospho-ASK1 (Ser966) Recombinant monoclonal antibody, PBS Only

Catalog Number:80142-8-PBS

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Basic Information

Catalog Number:
80142-8-PBS

Size:
100ug , Concentration: 1 mg/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:
155 kDa

Purification Method:
Protein A purification

CloneNo.:
252570F2

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, monkey

Background Information

ASK1(Apoptosis signal-regulating kinase 1) is also named as MAP3K5, MAPKKK5, MEKK5 and belongs to the MAP kinase kinase kinase subfamily. It is an evolutionarily conserved mitogen activated protein 3-kinase that activates both Jnk and p38 mitogen-activated protein kinases. ASK1 is is activated in response to various cytotoxic stresses including TNF, Fas and reactive oxygen species (ROS) such as H2O2, and activates c-Jun NH 2-terminal kinase (JNK) and p38. The predicted MW of ASK1 is around 155 kDa and the 110-120 kDa fragment has also been reported.

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
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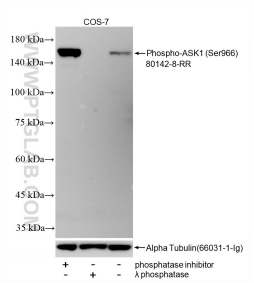
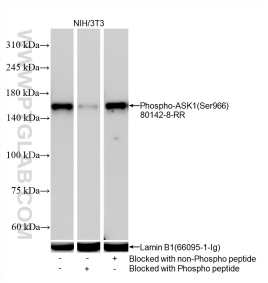
Selected Validation Data



Non-treated COS-7, phosphatase inhibitor treated and λ phosphatase treated COS-7 cells were subjected to SDS PAGE followed by western blot with 80142-8-RR (Phospho-ASK1 (Ser966) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Alpha Tubulin (66031-1-Ig) antibody as a loading control. This data was developed using the same antibody clone with 80142-8-PBS in a different storage buffer formulation.



NIH/3T3 cell lysates were subjected to SDS PAGE followed by western blot with 80142-8-RR (Phospho-ASK1 (Ser966) antibody) blocked with BSA only, Phospho-ASK1 (Ser966) peptide or non-Phospho peptide 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 80142-8-PBS in a