

For Research Use Only

Phospho-ASK1 (Ser966) Polyclonal antibody



Catalog Number: 28846-1-AP **9 Publications**

Basic Information

Catalog Number:

28846-1-AP

Size:

300 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:

120 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

Human, Mouse

Cited Species:

human, rat, mouse

Positive Controls:

WB: λ phosphatase treated NIH/3T3 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. It is an evolutionarily conserved mitogen activated protein 3-kinase that activates both Jnk and p38 mitogen-activated protein kinases. ASK1 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.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|----------------|-----------|-----------------------------|-------------|
| Xiao-Lin Jiang | 36309912 | Aging (Albany NY) | WB |
| Xiao-Lin Jiang | 36465612 | Front Endocrinol (Lausanne) | WB |
| Hailin Liu | 35693438 | Saudi Pharm J | WB |

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:

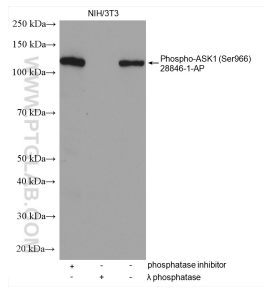
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Non-treated NIH/3T3, phosphatase inhibitor treated and λ phosphatase treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 28846-1-AP (Phospho-ASK1 (Ser966) antibody) at dilution of 1:500 incubated at 4°C overnight.