

For Research Use Only

MAPKAPK2 Polyclonal antibody

Catalog Number:30841-1-AP



Basic Information

Catalog Number:

30841-1-AP

Concentration:

500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34196

GenBank Accession Number:

BC036060

GeneID (NCBI):

9261

UNIPROT ID:

P49137

Full Name:

mitogen-activated protein kinase-
activated protein kinase 2

Calculated MW:

400 aa, 46 kDa

Observed MW:

42-60 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB: A549 cells, Calu-1 cells, HeLa cells, Hepg2 cells,
L02 cells, SW480 cells

Background Information

MAPKAPK2(mitogen-activated protein kinase-activated protein kinase 2) is also named as MK2, MAPKAP-K2, MK-2 and belongs to the CAMK Ser/Thr protein kinase family. MAPKAPK2, one of several kinases directly phosphorylated and activated by p38 MAPK, plays a central role in the inflammatory response and is in the nucleus of unstimulated cells and moves rapidly to the cytoplasm after stimulation(PMID:12171911). It is also involved in many other cellular processes including stress responses, nuclear export, gene expression regulation and cell proliferation. Multiple residues of MAPKAPK2 are generally phosphorylated in vivo in response to stress, but only 4 residues(Thr25, Thr222, Ser272, and Thr334) are phosphorylated by p38 MAPK in vitro(PMID:22351694). It has 2 isoforms produced by alternative splicing and the range of the molecular weight is 42-60 kDa according to the references(PMID:10666409; 11328854;8995385).

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

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

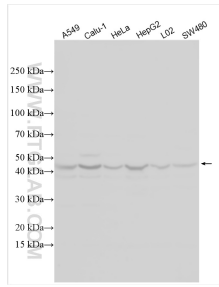
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E: Proteintech-CN@ptglab.com

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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



Various lysates were subjected to SDS PAGE followed by western blot with 30841-1-AP (MAPKAPK2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.