

For Research Use Only

# MAPKAPK2 Polyclonal antibody

Catalog Number:30841-1-AP



## Basic Information

**Catalog Number:**

30841-1-AP

**Size:**

150ul , Concentration: 500 ug/ml by Nanodrop;

**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

**\*\*\* 20ul sizes contain 0.1% BSA**

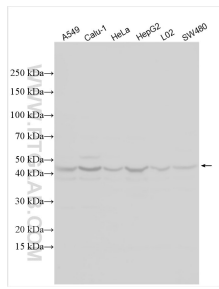
For technical support and original validation data for this product please contact:

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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



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.