

For Research Use Only

MAPKAPK5 Polyclonal antibody

Catalog Number: 14339-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

14339-1-AP

Size:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5650

GenBank Accession Number:

BC047284

GeneID (NCBI):

8550

UNIPROT ID:

Q8IW41

Full Name:

mitogen-activated protein kinase-activated protein kinase 5

Calculated MW:

54 kDa

Observed MW:

54 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IF 1:50-1:500

Applications

Tested Applications:

IF/ICC, WB, ELISA

Cited Applications:

WB, IP, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : HeLa cells, Jurkat cells

IF : HeLa cells,

Background Information

MAPKAPK5 (MAP kinase-activated protein kinase 5) is also named as PRAK and belongs to the CAMK Ser/Thr protein kinase family. MAPKAPK5 contains the conserved protein kinase domains I through XI, which are characteristic of all protein kinases. It is a major stress-activated kinase that can phosphorylate small heat shock protein, suggesting a potential role for PRAK in mediating stress-induced HSP27 phosphorylation in vivo (PMID:9628874). It has 2 isoforms produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Sheila Figel Dwyer	26042227	J Cancer Biol Res	WB, IP
Yuqing Wang	33741957	Nat Commun	WB, IHC

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:

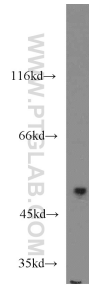
T: 4006900926

E: Proteintech-CN@ptglab.com

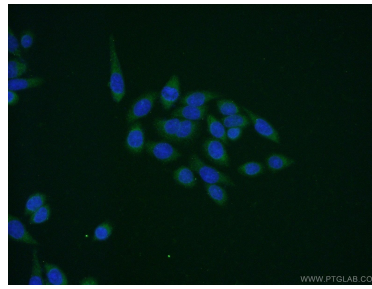
W: ptgcn.com

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Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 14339-1-AP (MAPKAPK5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 14339-1-AP (MAPKAPK5 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).