MAPKAPK5 Polyclonal antibody

proteintech®

Antibodies | ELISA kits | Proteins

Catalog Number:14339-1-AP

Featured Product   **2 Publications**

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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/ICC 1:50-1:500

Applications

Tested Applications:
WB, IF/ICC, ELISA

Cited Applications:
WB, IHC, IP

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse

Positive Controls:

WB : HeLa cells, Jurkat cells

IF/ICC : 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℃. 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

Selected Validation Data
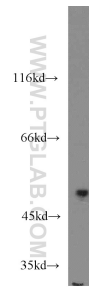
HeLa cells were subjected to SDS PAGE followed by western blot with 14339-1-AP (MAPKAPK5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.
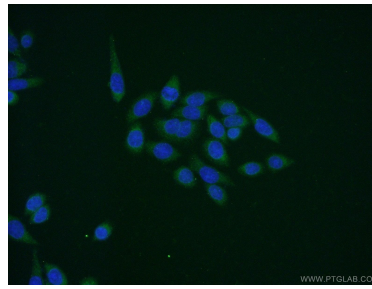
Immunofluorescent analysis of (-20℃ Ethanol) fixed HeLa cells using 14339-1-AP (MAPKAPK5 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).