

For Research Use Only

MAPKAPK5 Polyclonal antibody

Catalog Number: 14339-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number: 14339-1-AP	GenBank Accession Number: BC047284	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop and 253 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 8550	Recommended Dilutions: WB 1:500-1:1000 IF 1:50-1:500
Source: Rabbit	Full Name: mitogen-activated protein kinase-activated protein kinase 5	
Isotype: IgG	Calculated MW: 54 kDa	
Immunogen Catalog Number: AG5650	Observed MW: 54 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls: WB : HeLa cells, Jurkat cells
Cited Applications: IHC, IP, WB	IF : HeLa cells,
Species Specificity: human, mouse, rat	
Cited Species: human, mouse	

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

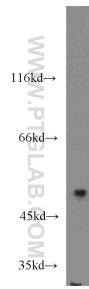
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

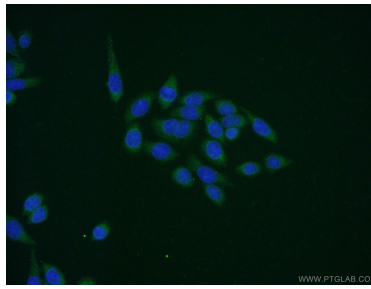
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

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).