

For Research Use Only

MAPKAPK2 Recombinant antibody

Catalog Number: 82929-1-RR



Basic Information

Catalog Number: 82929-1-RR	GenBank Accession Number: BC036060	Purification Method: Protein A purification
Size: 300 µg/ml	GeneID (NCBI): 9261	CloneNo.: 230197A9
Source: Rabbit	UNIPROT ID: P49137	Recommended Dilutions: WB 1:500-1:3000 IF 1:50-1:500
Isotype: IgG	Full Name: mitogen-activated protein kinase- activated protein kinase 2	
Immunogen Catalog Number: AG34196	Calculated MW: 400 aa, 46 kDa	
	Observed MW: 42-46 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: Human	WB: A549 cells, HeLa cells, HEK-293T cells IF: HeLa 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 pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

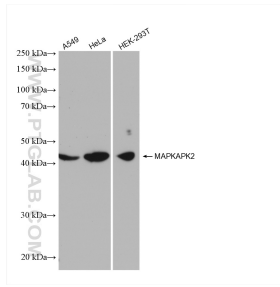
T: 4006900926

E: Proteintech-CN@ptglab.com

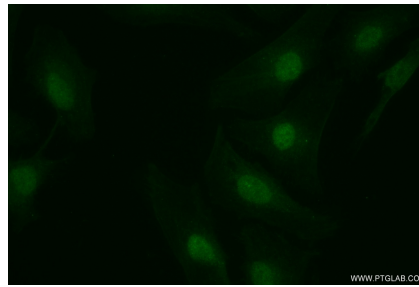
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82929-1-RR (MAPKAPK2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using MAPKAPK2 antibody (82929-1-RR, Clone: 230197A9) at dilution of 1:150 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).