

For Research Use Only

p38 MAPK Polyclonal antibody

Catalog Number:30382-1-AP



Basic Information

Catalog Number: 30382-1-AP	GenBank Accession Number: BC031574	Purification Method: Antigen affinity purification
Size: 350 µg/ml	GeneID (NCBI): 1432	Recommended Dilutions: WB 1:1000-1:6000 IF 1:200-1:800
Source: Rabbit	UNIPROT ID: Q16539	
Isotype: IgG	Full Name: mitogen-activated protein kinase 14	
Immunogen Catalog Number: AG33174	Calculated MW: 360 aa, 41 kDa	
	Observed MW: 38-42 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : HeLa cells, NIH/3T3 cells, PC-12 cells
Species Specificity: Human, mouse, rat	IF : HepG2 cells,

Background Information

MAPK14(mitogen-activated protein kinase 14) is also named as SAPIK2A, p38MAPK, CSBP1, RK, p38, EXIP, Mxi2, CSBP2, PRKM14, PRKM15, CSPB1, p38ALPHA and belongs to the MAP kinase subfamily. MAPK14-signaling is a central pathway for the integration of instructive signals in dendritic cells for T(H)17 differentiation and inflammation(PMID:22231518). It plays an important role in the regulation of hematopoietic stem cell self-renewal in vitro and inhibition of MAPK14 activation with a small molecule inhibitor may represent a novel approach to promote ex vivo expansion of hematopoietic stem cell(PMID:21198398). This protein has 4 isoforms produced by alternative splicing.

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:

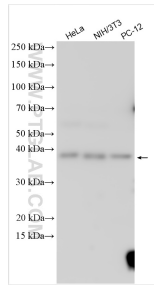
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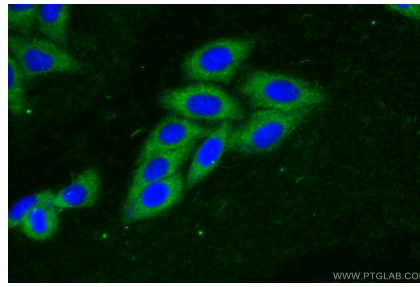
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30382-1-AP (p38 MAPK antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using p38 MAPK antibody (30382-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).