

For Research Use Only

# p38 MAPK Polyclonal antibody

Catalog Number: 51115-1-AP

14 Publications



## Basic Information

**Catalog Number:**

51115-1-AP

**Size:**

150ul, Concentration: 500 µg/ml by Nanodrop and 260 µg/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

BC031574

**GeneID (NCBI):**

1432

**UNIPROT ID:**

Q16539

**Full Name:**

mitogen-activated protein kinase 14

**Calculated MW:**

360 aa, 41 kDa

**Observed MW:**

38 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

## Applications

**Tested Applications:**

WB, ELISA

**Cited Applications:**

IHC, WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, rat, mouse, pig

**Positive Controls:**

WB : mouse ovary tissue, NIH/3T3 cells, PC-12 cells, RAW 264.7 cells

## Background Information

MAPK14 (mitogen-activated protein kinase 14) is also named as SAPK2A, 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. This antibody is specific to MAPK14.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yu Zhou	36430479	Int J Mol Sci	WB
Weizong Wang	35821539	Cardiovasc Drugs Ther	WB
Xiaojuan Peng	35866029	Front Bioeng Biotechnol	WB

## 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

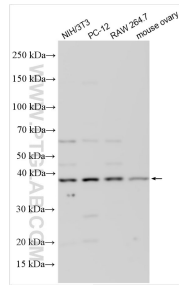
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

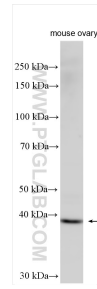
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 51115-1-AP (p38 MAPK antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 51115-1-AP (p38 MAPK antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.