

# Anti-p38 MAPK Antibody [PSH03-72] - BSA and Azide free

## HA750906



<b>Product Type:</b>	Recombinant Rabbit multiclonal IgG, primary antibodies
<b>Species reactivity:</b>	Human, Mouse, Rat, Monkey
<b>Applications:</b>	WB
<b>Molecular Wt:</b>	Predicted band size: 42 kDa
<b>Clone number:</b>	PSH03-72

**Description:** A mitogen-activated protein kinase (MAPK or MAP kinase) is a type of protein kinase that is specific to the amino acids serine and threonine (i.e., a serine/threonine-specific protein kinase). MAPKs are involved in directing cellular responses to a diverse array of stimuli, such as mitogens, osmotic stress, heat shock and proinflammatory cytokines. They regulate cell functions including proliferation, gene expression, differentiation, mitosis, cell survival, and apoptosis. MAP kinases are found in eukaryotes only, but they are fairly diverse and encountered in all animals, fungi and plants, and even in an array of unicellular eukaryotes. MAPKs belong to the CMGC (CDK/MAPK/GSK3/CLK) kinase group. The closest relatives of MAPKs are the cyclin-dependent kinases (CDKs). p38 MAP Kinase Antibody detects endogenous levels of total p38 alpha, p38 beta, p38 gamma, p38 delta protein.

**Immunogen:** Recombinant protein within human MAPK12 aa 1-367 / 367.

**Positive control:** 293T cell lysate, HeLa cell lysate, K-562 cell lysate, COS-1 cell lysate, Neuro-2a cell lysate, PC-12 cell lysate.

**Subcellular location:** Cytoplasm, Nucleus, Mitochondrion.

**Database links:** SwissProt: Q16539 Human | Q15759 Human | P53778 Human | O15264 Human | P47811 Mouse | Q9WU11 Mouse | O08911 Mouse | Q9Z1B7 Mouse | P70618 Rat | D4A3U7 Rat | Q63538 Rat | Q9WTY9 Rat

**Recommended Dilutions:**  
**WB** 1:1,000

**Storage Buffer:** PBS (pH7.4).

**Storage Instruction:** Store at +4℃ after thawing. Aliquot store at -20℃. Avoid repeated freeze / thaw cycles.

**Purity:** Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

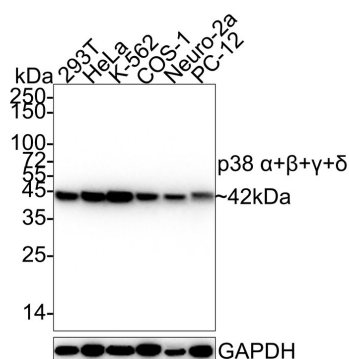
Service mail:support@huabio.cn

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Applications:WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

## Images

**Fig1:** Western blot analysis of p38 MAPK on different lysates with Rabbit anti-p38 MAPK antibody (HA750906) at 1/1,000 dilution.



Lane 1: 293T cell lysate  
 Lane 2: HeLa cell lysate  
 Lane 3: K-562 cell lysate  
 Lane 4: COS-1 cell lysate  
 Lane 5: Neuro-2a cell lysate  
 Lane 6: PC-12 cell lysate

Lysates/proteins at 30 µg/Lane.

Predicted band size: 42 kDa

Observed band size: 42 kDa

Exposure time: 4 seconds;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA750906) at 1/1,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

### Background References

1. Wang J et al. Pan-cancer analysis supports MAPK12 as a potential prognostic and immunotherapeutic target in multiple tumor types, including in THCA. *Oncol Lett.* 2022 Oct
2. Yang R et al. Prolactin Regulates Ovine Ovarian Granulosa Cell Apoptosis by Affecting the Expression of MAPK12 Gene. *Int J Mol Sci.* 2023 Jun

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