

## p38 MAPK rabbit pAb

Cat No.: ES8901

For research use only

## Overview

**Product Name** p38 MAPK rabbit pAb

Host species Rabbit
Applications WB;ELISA

Species Cross-Reactivity Human; Mouse; Rat

Recommended dilutions WB 1:500-2000, ELISA 1:10000-20000

Immunogen Synthesized peptide derived from human p38 MAPK

Polyclonal

**Specificity** This antibody detects endogenous levels of p38

MAPK.

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

Storage Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name Mitogen-activated protein kinase 14 (MAP kinase

14) (MAPK 14) (EC 2.7.11.24) (Cytokine suppressive

anti-inflammatory drug-binding protein)

(CSAID-binding protein) (CSBP) (MAP kinase MXI2)

(MAX-interac

Gene Name MAPK14 CSBP CSBP1 CSBP2 CSPB1 MXI2 SAPK2A

**Cellular localization** Cytoplasm . Nucleus .

**Purification** The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal
Concentration 1 mg/ml
Observed band 42kD
Human Gene ID 1432
Human Swiss-Prot Number Q16539

Alternative Names Mitogen-activated protein kinase 14 (MAP kinase

14) (MAPK 14) (EC 2.7.11.24) (Cytokine suppressive

anti-inflammatory drug-binding protein)

(CSAID-binding protein) (CSBP) (MAP kinase MXI2) (MAX-interacting protein 2) (Mitogen-activated

protein kinase p38 a



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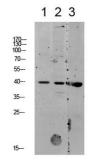
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**Background** 

The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase is activated by various environmental stresses and proinflammatory cytokines. The activation requires its phosphorylation by MAP kinase kinases (MKKs), or its autophosphorylation triggered by the interaction of MAP3K7IP1/TAB1 protein with this kinase. The substrates of this kinase include transcription regulator ATF2, MEF2C, and MAX, cell cycle regulator CDC25B, and tumor suppressor p53, which suggest the roles of this kinase in stress related transcription and cell cycle regulation, as well as in genotoxic stress response. Four alternatively spliced transcript variants of this gene encoding d

Western blot analysis of various lysate, antibody was diluted at 1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



- 1 mouse-brain
- 2 mouse-liver
- 3 CACO2

