ELK Biotechnology

p38 (phospho Thr180/Y182) rabbit pAb

Cat No.:ES1431

For research use only

Overview

Product Name	p38 (phospho Thr180/Y182) rabbit pAb
Host species	Rabbit
Applications	IF;WB;Flow Cyt;IHC;ELISA
Species Cross-Reactivity	Human;Mouse;Rat;Guineapig
Recommended dilutions	IF/ICC 1:100-500;WB 1:500-2000;Flow Cyt 1:50-200;IHC-p 1:100-500;ELISA 1:5000-20000
Immunogen	The antiserum was produced against synthesized peptide derived from human p38 MAPK around the phosphorylation site of Thr179 and Tyr181. AA range:151-200
Specificity	Phospho-p38 (T180/Y182) Polyclonal Antibody detects endogenous levels of p38 protein only when phosphorylated at T180/Y182.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20℃. Avoid repeated freeze-thaw cycles.
Protein Name	Mitogen-activated protein kinase 14
Gene Name	MAPK14
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	38kD
Human Gene ID	1432
Human Swiss-Prot Number	Q16539
Alternative Names	MAPK14; CSBP; CSBP1; CSBP2; CSPB1; MXI2; SAPK2A; Mitogen-activated protein kinase 14; MAP kinase 14; MAPK 14; Cytokine suppressive anti-inflammatory drug-binding protein; CSAID-binding protein; CSBP; MAP kinase MXI2; MAX-interacting protein

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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

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