

p38 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP06783
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human p38 MAPK. AA range:151-200
Mol wt	41293
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	p38 Antibody
Synonyms	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;

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Mitogen-activated protein kinase 14 encoded by MAPK14 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 MAPK14 encoding distinct isoforms have been reported.

Recommended Dilution

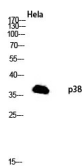
WB: 1: 3000 - 1: 8000

IHC: 1: 100 - 1: 300

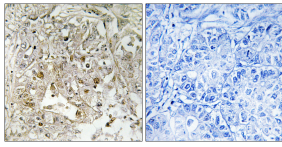
ELISA: 1: 5000

Not yet tested in other applications.

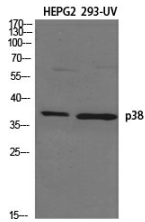
Images



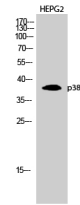
Western blot analysis of HeLa lysis using p38 antibody. Antibody was diluted at 1:3000



Immunohistochemistry analysis of paraffin-embedded human liver carcinoma tissue, using p38 MAPK Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using p38 Polyclonal Antibody diluted at 1:3000



Western Blot analysis of HEPG2 cells using p38 Polyclonal Antibody diluted at 1:3000

Storage

-20°C for one year

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