

## p38(Phospho Tyr182) Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP12639
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human p38 MAPK around the phosphorylation site of Tyr182. AA range:147-196
<b>Mol wt</b>	41293
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, IF, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Mitogen-activated protein kinase 14
<b>Synonyms</b>	Mitogen-activated protein kinase 14; 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

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

### 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

### Recommended Dilution

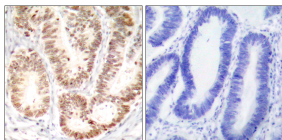
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

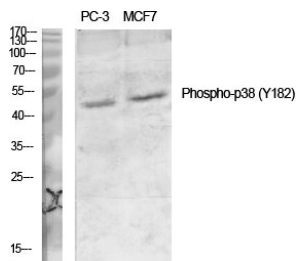
ELISA: 1: 10000

Not yet tested in other applications.

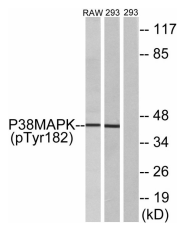
### Images



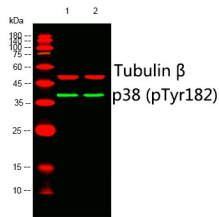
Immunohistochemistry analysis of paraffin-embedded human colon carcinoma, using p38 MAPK (Phospho-Tyr182) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from 1) PC-3, 2) MCF-7 cells, (Green) primary antibody was diluted at 1:1000, 4°C overnight, Dylight 800 secondary antibody was diluted at 1:10000, 37°C 1 hour. (Red) Tubulin β Monoclonal Antibody(5G3) was diluted at 1:5000 as loading control, 4°C overnight, Dylight 680 secondary antibody was diluted at 1:10000, 37°C 1 hour.



Western Blot analysis of various cells using Phospho-p38 (Y182) Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysates from RAW264.7 cells and 293 cells, using p38 MAPK (Phospho-Tyr182) Antibody. The lane on the right is blocked with the phospho peptide.

### Storage

-20°C for 1 year

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