

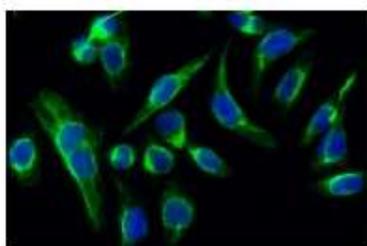
# p38 Rabbit Polyclonal Antibody

OPR4838

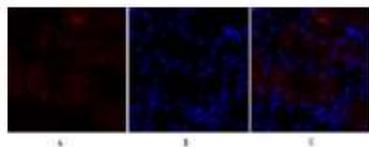
<b>Reactivity</b>	H,M,R,FS,Pg	<b>Storage</b>	-20°C, Avoid freeze / thaw cycles
<b>Host</b>	Rabbit	<b>Applications</b>	IF;WB;IHC;ELISA
<b>Isotype</b>	IgG	<b>Concentration</b>	1 mg/mL

Note: Centrifuge before opening to ensure complete recovery of vial contents.

## Images



Immunofluorescence analysis of HeLa cell. 1,p38 Polyclonal Antibody(green) was diluted at 1:200(4° overnight). 2, Goat Anti Rabbit Alexa Fluor 488 was diluted at 1:1000(room temperature, 50 min). 3 DAPI(blue) 10 min



Immunofluorescence analysis of rat-kidney tissue. 1,p38 Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50 min).3, Picture B: DAPI(blue) 10 min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B.

## Immunogen Information

<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human p38 MAPK. AA range:147-196
<b>Swissprot</b>	Q16539
<b>Synonyms</b>	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

## Product Information

<b>Observed MW</b>	38 kDa
<b>Buffer</b>	PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Dilution</b>	IF: 1:50-200, WB: 1/500 - 1/2000, IHC: 1/100 - 1/300. ELISA: 1/10000

Other applications have not been tested. Optimal dilutions/concentrations should be determined by the end user

## 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.

## Research Use

For research use only, not for use in diagnostic procedure

## Legend

Applications: WB-Western Blot; IHC-Immunohistochemistry; IF-Immunofluorescence; IP-Immunoprecipitation; FC-Flow cytometry; ChIP-Chromatin Immunoprecipitation

Reactivity: H-Human; R-Rat; M-Mouse; Mk-Monkey; Dg-Dog; Ch-Chicken; Hm-Hamster; Rb-Rabbit; Sh- Sheep; Pg-Pig; Z-Zebrafish; X-Xenopus; C-Cow,Is-Insect,Ys- yeast.

Please contact Origin Diagnostics and Research for further assistance

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