



Datasheet for ABIN7206474
anti-MAPK14 antibody (pThr180)



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4 Images

Overview

Quantity:	100 µL
Target:	MAPK14
Binding Specificity:	pThr180
Reactivity:	Human, Mouse, Rat, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAPK14 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	p38 (phospho Thr180/Y182) Polyclonal Antibody
Immunogen:	Synthesized peptide derived from human p38 Phospho-Thr180/Y182
Isotype:	IgG
Specificity:	Phospho-p38 (T180/Y182) Polyclonal Antibody detects endogenous levels of p38 protein only when phosphorylated at T180/Y182.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen

Target Details

Target:	MAPK14
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Target Details

Alternative Name: p38 ([MAPK14 Products](#))

Background: Rabbit Anti-p38 (phospho Thr180/Y182) Polyclonal Antibody, 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, 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. Mitogen-activated protein kinase 14 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 mitogen-activated protein kinase 14. The substrates of mitogen-activated protein kinase 14 include transcription regulator ATF2, MEF2C, and MAX, cell cycle regulator CDC25B, and tumor suppressor p53, which suggest the roles of mitogen-activated protein kinase 14 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. Mitogen-activated protein kinase 14

Gene ID: 1432

UniProt: [Q16539](#)

Pathways: [MAPK Signaling](#), [Neurotrophin Signaling Pathway](#), [Activation of Innate immune Response](#), [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of Muscle Cell Differentiation](#), [Regulation of Cell Size](#), [Hepatitis C](#), [Toll-Like Receptors Cascades](#), [Autophagy](#), [Thromboxane A2 Receptor Signaling](#), [BCR Signaling](#), [S100 Proteins](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IF (1:50-1:200), IHC-P (1:100-1:300), ELISA (1:5000). Not yet tested in other applications.

Restrictions: For Research Use only

Handling

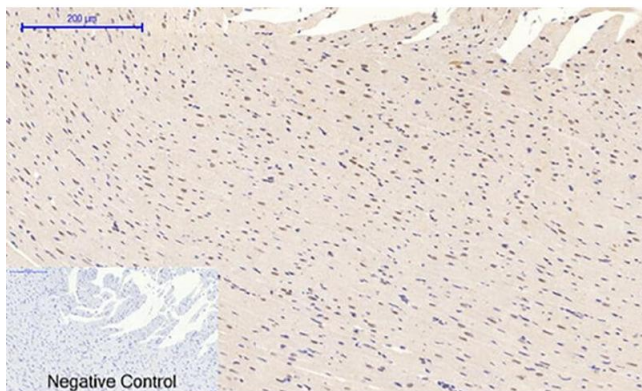
Format: Liquid

Concentration: 1 mg/mL

Handling

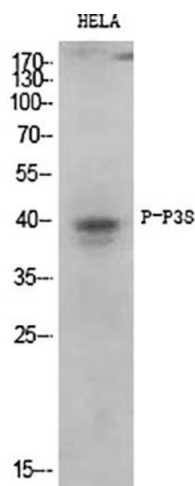
Buffer:	PBS containing 50 % Glycerol, 0.5 % BSA and 0.02 % Sodium Azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

Images



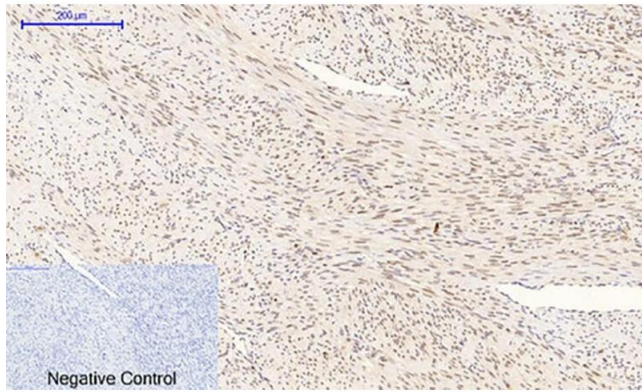
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded rat heart tissue. 1, p38 (phospho Thr180/Y182) Polyclonal Antibody was diluted at 1:200 (4 °C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 °C, 20 min). 3, secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.



Western Blotting

Image 2. Western Blot analysis of various cells using Phospho-p38 (T180/Y182) Polyclonal Antibody diluted at 1:1000.



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffin-embedded human uterus cancer tissue. 1, p38 (phospho Thr180/Y182) Polyclonal Antibody was diluted at 1:200 (4 °C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 °C, 20 min). 3, secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7206474.