



Datasheet for ABIN1882176
anti-MAPK14 antibody (C-Term)



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4 Images

8 Publications

Overview

Quantity:	400 µL
Target:	MAPK14
Binding Specificity:	AA 295-324, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAPK14 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Immunogen:	This MAPK14 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 295-324 amino acids from the C-terminal region of human MAPK14.
Clone:	RB2723
Isotype:	Ig Fraction
Predicted Reactivity:	M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	MAPK14
Alternative Name:	MAPK14 (MAPK14 Products)

Target Details

Background: P38 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.

Molecular Weight: 41293

NCBI Accession: [NP_001306](#), [NP_620581](#), [NP_620582](#), [NP_620583](#)

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: IF: 1:10~50. WB: 1:1000. WB: 1:1000. FC: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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.

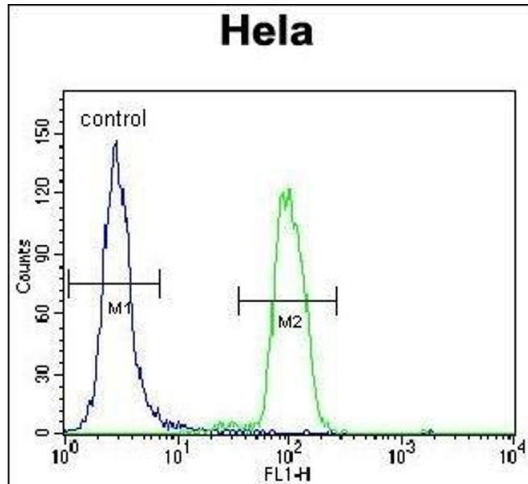
Storage: 4 °C,-20 °C

Expiry Date: 6 months

Product cited in: Tekin, Erden, Ozyalin, Cigremis, Colak, Sandal: "The effects of intracerebroventricular infusion of irisin on feeding behaviour in rats." in: **Neuroscience letters**, Vol. 645, pp. 25-32, (2017) ([PubMed](#)).

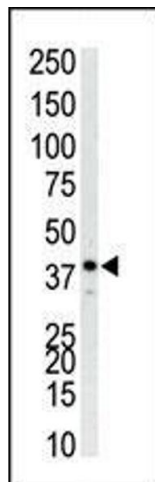
There are more publications referencing this product on: [Product page](#)

Images



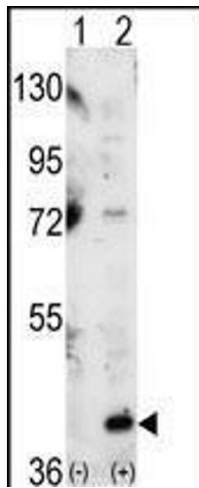
Flow Cytometry

Image 1. PK14 Antibody (C-term) (ABIN1882176 and ABIN2841644) flow cytometric analysis of HeLa cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. The anti-P38 Pab (ABIN1882176 and ABIN2841644) is used in Western blot to detect P38 in Jurkat cell lysate.



Western Blotting

Image 3. Western blot analysis of P38 (arrow) using P38 Antibody (C-term) (ABIN1882176 and ABIN2841644). 293 cell lysates (2 μ g/lane) either nontransfected (Lane 1) or transiently transfected with the PK14 gene (Lane 2) (Origene Technologies).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN1882176.