

Datasheet for ABIN1724904  
**anti-MAPK14 antibody (AA 299-360)**

5 Images

2 Publications

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## Overview

Quantity:	0.1 mg
Target:	MAPK14
Binding Specificity:	AA 299-360
Reactivity:	Human, Mouse, Rat, Monkey
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MAPK14 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

## Product Details

Immunogen:	Purified recombinant fragment of human MAPK14 (AA: 299-360) expressed in E. coli.
Clone:	10B11C8
Isotype:	IgG1
Purification:	purified

## Target Details

Target:	MAPK14
Alternative Name:	MAPK14 ( <a href="#">MAPK14 Products</a> )
Background:	Description: 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

## Target Details

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 distinct isoforms have been reported. , , ,

Aliases: RK, p38, CSBP, EXIP, Mxi2, CSBP1, CSBP2, CSPB1, PRKM14, PRKM15, SAPK2A, p38ALPHA

Molecular Weight: 41.3 kDa

Gene ID: 1432

HGNC: 1432

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: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

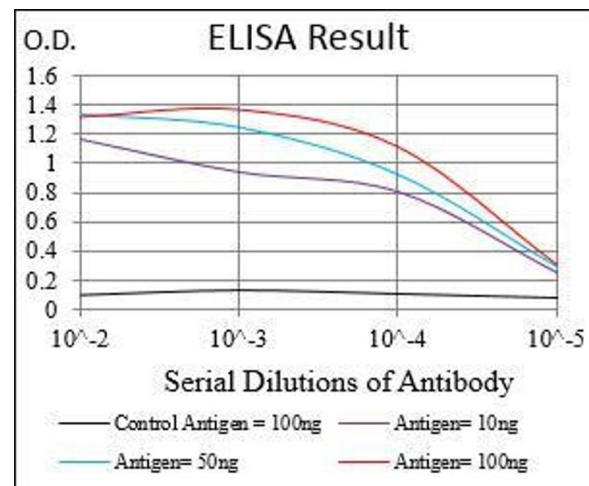
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

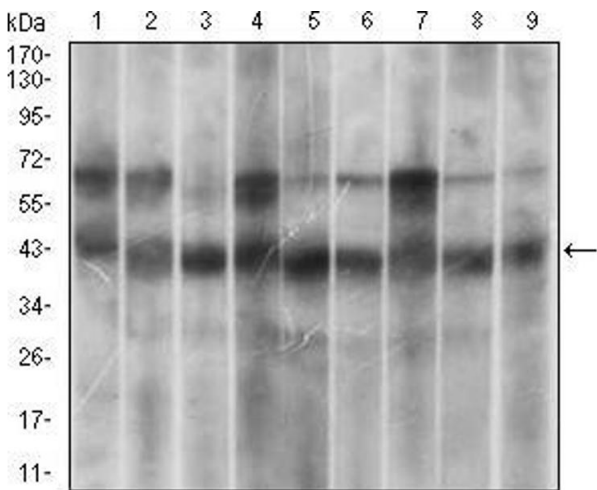
Product cited in: Nunez, Siegal, Reddy, Wei: "CD138 (syndecan-1) expression in bone-forming tumors." in: **American journal of clinical pathology**, Vol. 137, Issue 3, pp. 423-8, (2012) ([PubMed](#)).

Karasneh, Ali, Shukla: "An important role for syndecan-1 in herpes simplex virus type-1 induced cell-to-cell fusion and virus spread." in: **PLoS ONE**, Vol. 6, Issue 9, pp. e25252, (2011) ([PubMed](#)).



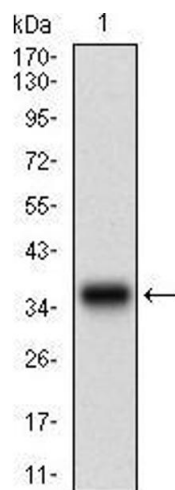
ELISA

**Image 1.** Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



Western Blotting

**Image 2.** Western blot analysis using MAPK14 mouse mAb against Hela (1), HEK293 (2), A431 (3), MCF-7 (4), RAW264.7 (5), Cos7 (6), C6 (7), Jurkat (8) and NIH/3T3 (9) cell lysate.



**Western Blotting**

**Image 3.** Western blot analysis using MAPK14 mAb against human MAPK14 recombinant protein. (Expected MW is 32.6 kDa)

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN1724904.