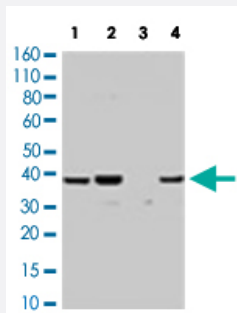


# MAPK14 (phospho T180/Y182) polyclonal antibody

Catalog # PAB31646      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis of (1) Hela cell lysate without UV, (2) Hela cell lysate with UV, (3) K562 cell lysate without UV and (4) K562 cell lysate with UV.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of human MAPK14 (phospho T180/Y182).
<b>Immunogen</b>	A synthetic peptide corresponding to amino acids 120-200 of human MAPK14 (phospho T180/Y182).
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat
<b>Specificity</b>	This antibody detects endogenous levels of MAPK14 protein only when phosphorylated at T180/Y182.
<b>Form</b>	Liquid
<b>Purification</b>	Affinity purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	ELISA (1:5000) Immunohistochemistry (1:100-300) Western Blot (1:500-2000) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (50% glycerol, 0.5% BSA and 0.02% sodium azide).
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis of (1) Hela cell lysate without UV, (2) Hela cell lysate with UV, (3) K562 cell lysate without UV and (4) K562 cell lysate with UV.

- Immunohistochemistry

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — MAPK14

Entrez GeneID	<a href="#">1432</a>
Protein Accession#	<a href="#">Q16539</a>
Gene Name	MAPK14
Gene Alias	CSBP1, CSBP2, CSPB1, EXIP, Mxi2, PRKM14, PRKM15, RK, SAPK2A, p38, p38ALPHA
Gene Description	mitogen-activated protein kinase 14
Omim ID	<a href="#">600289</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>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 distinct isoforms have been reported. [provided by RefSeq]</p>

**Other Designations**

Csais binding protein|MAP kinase Mxi2|MAX-interacting protein 2|cytokine suppressive anti-inflammatory drug binding protein|p38 MAP kinase|p38 mitogen activated protein kinase|p38alpha Exip|stress-activated protein kinase 2A

**Pathway**

- [Amyotrophic lateral sclerosis \(ALS\)](#)
- [Epithelial cell signaling in Helicobacter pylori infection](#)
- [Fc epsilon RI signaling pathway](#)
- [GnRH signaling pathway](#)
- [Leukocyte transendothelial migration](#)
- [MAPK signaling pathway](#)
- [Neurotrophin signaling pathway](#)
- [T cell receptor signaling pathway](#)
- [Toll-like receptor signaling pathway](#)
- [VEGF signaling pathway](#)

**Disease**

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
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- [HIV Infections](#)
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- [Polycystic Ovary Syndrome](#)
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