

## MAPK14 Antibody

Catalog No: #32026

Package Size: #32026-1 50ul #32026-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

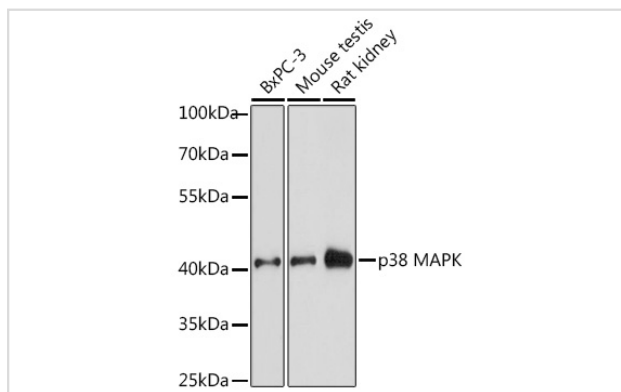
## Description

Product Name	MAPK14 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total MAPK14 protein.
Immunogen Type	Peptide
Immunogen Description	A synthetic peptide of human p38 MAPK (NP_620581.1).
Target Name	MAPK14
Other Names	MAPK14;CSBP;CSBP1;CSBP2;CSPB1;EXIP;Mxi2;PRKM14;PRKM15;RK;SAPK2A;p38;p38ALPHA;p38 MAPK
Accession No.	Uniprot:Q16539GeneID:1432
SDS-PAGE MW	41KDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

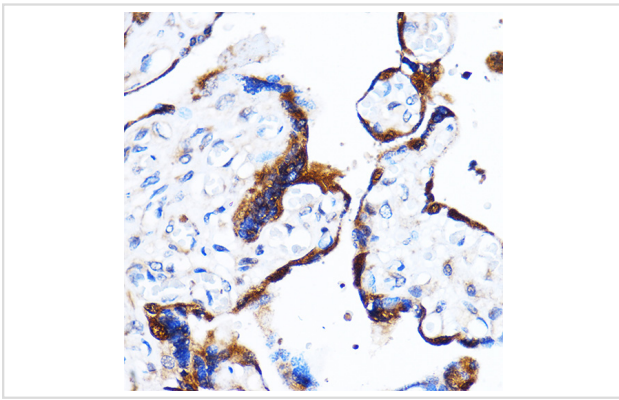
## Application Details

WB □ 1:500 - 1:1000 IHC □ 1:50 - 1:200 IF □ 1:50 - 1:100

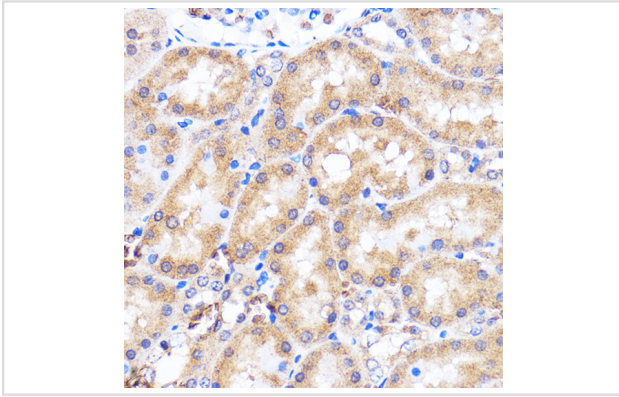
## Images



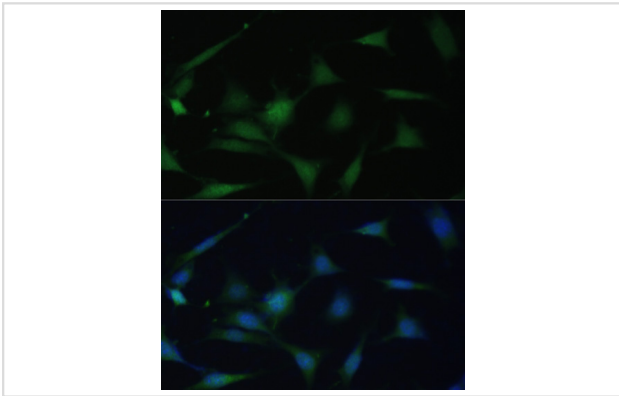
Western blot analysis of extracts of various cell lines, using p38 MAPK antibody.



Immunohistochemistry of paraffin-embedded Human placenta using p38 MAPK Rabbit pAb.



Immunohistochemistry of paraffin-embedded Rat kidney using p38 MAPK Rabbit pAb.



Immunofluorescence analysis of NIH-3T3 cells using p38 MAPK antibody.

## 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 distinct isoforms have been reported.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.