**Product Datasheet**

# MAPK8 Antibody

Catalog No: #32065

Package Size: #32065-1 50ul #32065-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

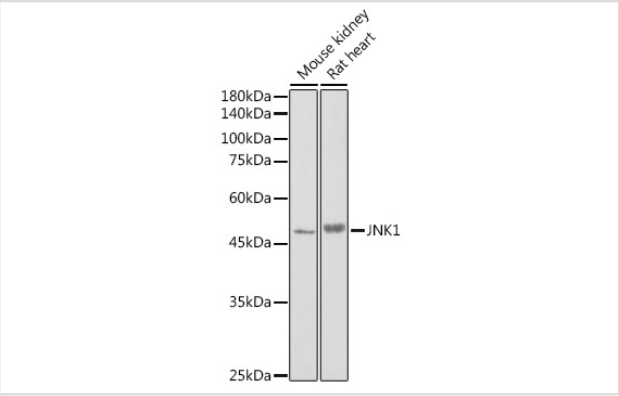
## Description

| | |
|---|---|
| Product Name | MAPK8 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 MAPK8 protein. |
| Immunogen Type | Recombinant Protein |
| Immunogen Description | Recombinant fusion protein of human JNK1 (NP_620635.1). |
| Target Name | MAPK8 |
| Other Names | MAPK8;JNK;JNK-46;JNK1;JNK1A2;JNK21B1/2;PRKM8;SAPK1;SAPK1c |
| Accession No. | Uniprot:P45983GeneID:5599 |
| Uniprot | P45983 |
| GeneID | 5599 |
| SDS-PAGE MW | 44KDa |
| Concentration | 1.0mg/ml |
| Formulation | PBS with 0.02% sodium azide,50% glycerol,pH7.3. |
| Storage | Store at -20°C. Avoid freeze / thaw cycles. |

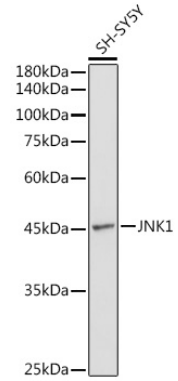
## Application Details

WB□1:500 - 1:2000IHC□1:100 - 1:200IF□1:50 - 1:200

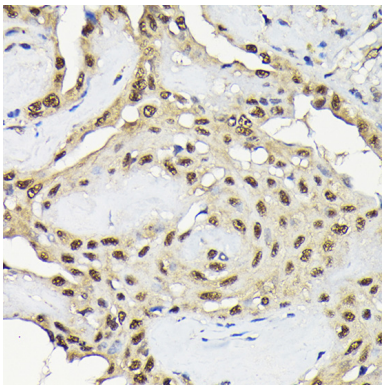
## Images



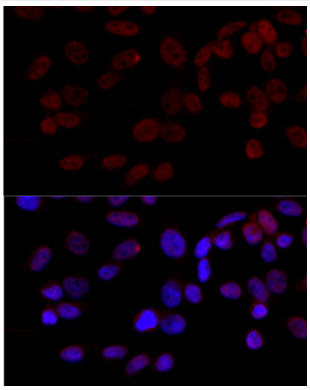

Western blot analysis of extracts of various cell lines, using JNK1 antibody.



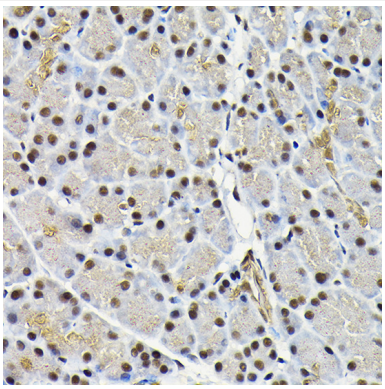

Western blot analysis of extracts of SH-SY5Y cells, using JNK1 antibody.



Immunohistochemistry of paraffin-embedded human thyroid cancer using JNK1 Rabbit pAb.



Immunofluorescence analysis of HeLa cells using JNK1 antibody.



Immunohistochemistry of paraffin-embedded rat pancreas using JNK1 Rabbit pAb.

## 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 cell stimuli, and targets specific transcription factors, and thus mediates immediate-early gene expression in response to cell stimuli. The activation of this kinase by tumor-necrosis factor alpha (TNF-alpha) is found to be required for TNF-alpha induced apoptosis. This kinase is also involved in UV radiation induced apoptosis, which is thought to be related to cytochrom c-mediated cell death pathway. Studies of the mouse counterpart of this gene suggested that this kinase play a key role in T cell proliferation, apoptosis and differentiation. Several alternatively spliced transcript variants encoding distinct isoforms have been reported.

Note: This product is for in vitro research use only