

## MAP2K7 Antibody

Catalog No: #32651

Package Size: #32651-1 50ul #32651-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

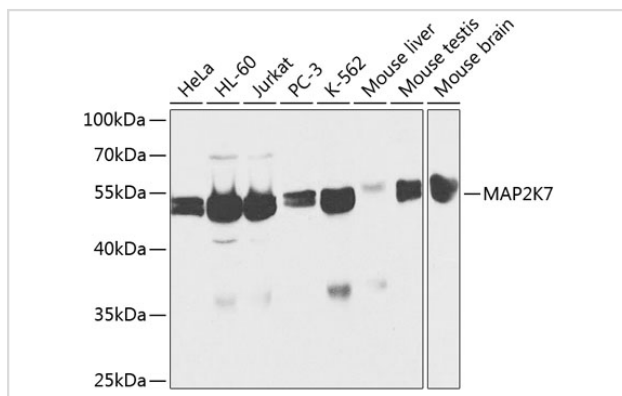
## Description

Product Name	MAP2K7 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total MAP2K7 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human MAP2K7.
Target Name	MAP2K7
Other Names	MAP2K7; Jnk2; MAPKK7; MKK7; PRKMK7
Accession No.	Swiss-Prot:O14733NCBI Gene ID:5609
Uniprot	O14733
GeneID	5609;
SDS-PAGE MW	47KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

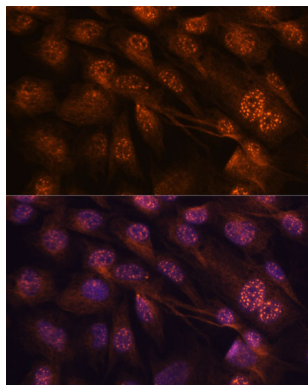
## Application Details

WB □ 1:500 - 1:2000 IF □ 1:50 - 1:200

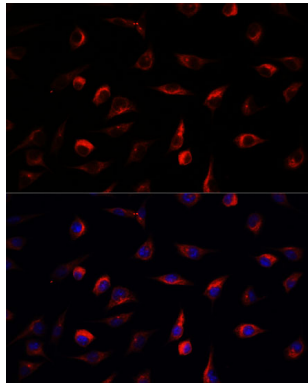
## Images



Western blot analysis of extracts of various cell lines, using MAP2K7 at 1:1000 dilution.



Immunofluorescence analysis of C6 cells using MAP2K7 at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of L929 cells using MAP2K7 at dilution of 1:100. Blue: DAPI for nuclear staining.

## Background

c-Jun NH2-terminal protein kinase (JNK), a distant member of the mitogen-activated protein (MAP) kinase family, regulates gene expression in response to various extracellular stimuli. MKK7, a novel member of the MAP kinase kinase family, was phosphorylated and activated by MEKK1, a MAP kinase kinase kinase in the JNK signaling cascade. MKK7 activity was also stimulated by constitutively active forms of Rac and Cdc42Hs, members of the Rho small GTP-binding protein family (1). endogenous MKK7 was activated by treatment with the growth factor interleukin-3 (but not interleukin-4), or by ligation of CD40, the B-cell antigen receptor, or the receptor for the Fc fragment of immunoglobulin. MKK7 was also activated when cells were exposed to heat, UV irradiation, anisomycin, hyperosmolarity or the pro-inflammatory cytokine tumor necrosis factor-alpha, suggesting that MKK7 is involved in many physiological pathways (2).

Note: This product is for in vitro research use only