

MAP3K3 Polyclonal Antibody

Catalog No: #29702

Package Size: #29702-1 50ul #29702-2 100ul

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

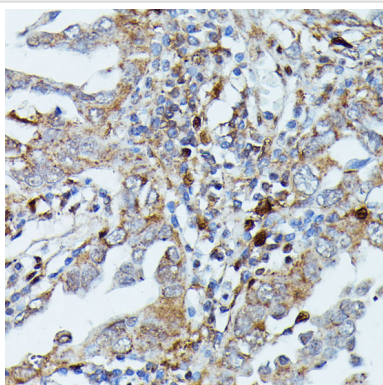
Description

Product Name	MAP3K3 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human MAP3K3 (NP_976226.1).
Other Names	MAP3K3; MAPKKK3; MEKK3; mitogen-activated protein kinase kinase kinase 3
Accession No.	Swiss-Prot#:Q99759NCBI Gene ID:4215
Uniprot	Q99759
GeneID	4215;
Calculated MW	71kDa
Formulation	Avoid freeze / thaw cycles. Buffer: PBS with 50% glycerol, pH7.4.
Storage	Store at -20°C

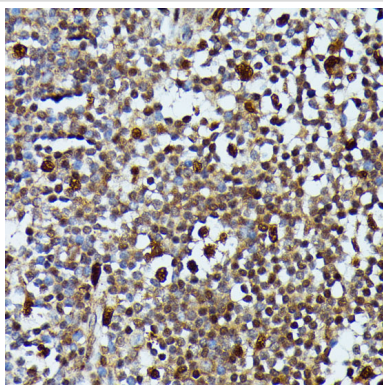
Application Details

WB□1:500 - 1:2000IHC□1:100 - 1:200

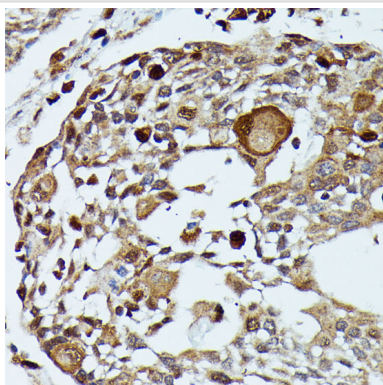
Images



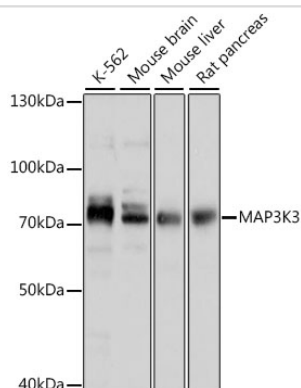
Immunohistochemistry of paraffin-embedded human lung cancer using MAP3K3 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human appendix using MAP3K3 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human esophageal cancer using MAP3K3 at dilution of 1:100 (40x lens).



Western blot analysis of extracts of various cell lines, using MAP3K3 at 1:1000 dilution.

Background

This gene product is a 626-amino acid polypeptide that is 96.5% identical to mouse Mekk3. Its catalytic domain is closely related to those of several other kinases, including mouse Mekk2, tobacco NPK, and yeast Ste11. Northern blot analysis revealed a 4.6-kb transcript that appears to be ubiquitously expressed. This protein directly regulates the stress-activated protein kinase (SAPK) and extracellular signal-regulated protein kinase (ERK) pathways by activating SEK and MEK1/2 respectively; it does not regulate the p38 pathway. In cotransfection assays, it enhanced transcription from a nuclear factor kappa-B (NFkB)-dependent reporter gene, consistent with a role in the SAPK pathway. Alternatively spliced transcript variants encoding distinct isoforms have been observed.

Note: This product is for in vitro research use only