

MAP2K2 Antibody

Catalog No: #31232

Package Size: #31232-1 50ul #31232-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	MAP2K2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous level of total MAP2K2 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from 20-34 amino acids of Human mitogen-activated protein kinase kinase 2
Target Name	MAP2K2
Other Names	mitogen-activated protein kinase kinase 2, MEK2, MKK2, MAPKK2, PRKMK2
Accession No.	Swiss-Prot:P36507Gene ID:5605;
Uniprot	P36507
GeneID	5605;
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C/1 year

Application Details

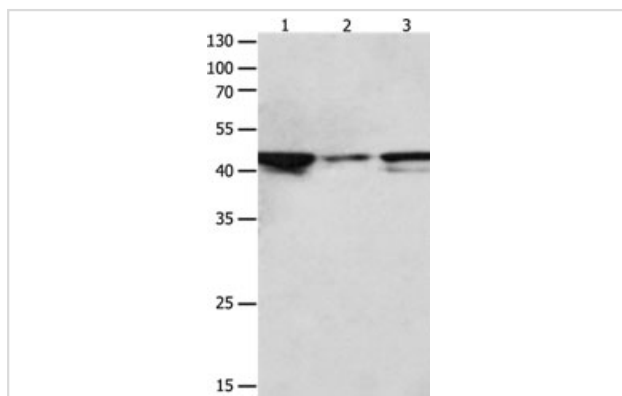
Predicted MW: 44kd

ELISA: 1:2000-1:10000

Western blotting: 1:1000-1:5000

Immunohistochemistry: 1:100-1:300

Images



Gel: 10%SDS-PAGE

Lane1: Hela cell lysate

Lane2: NIH/3T3 cell lysate

Lane3: Jurkat cell lysate

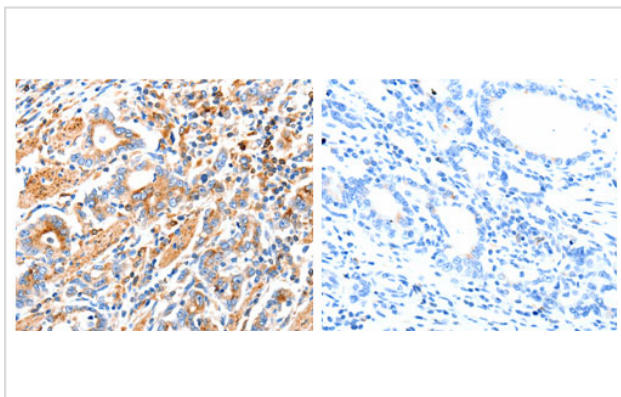
Lysates: 40 ug per lane

Primary antibody: 1/1900 dilution

Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at

1/10000 dilution

Exposure time: 30 seconds



The image on the left is immunohistochemistry of paraffin-embedded Human gastric cancer tissue using 31232 (MAP2K2 Antibody) at dilution 1/100, on the right is treated with the synthetic peptide.

Background

The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is known to play a critical role in mitogen growth factor signal transduction. It phosphorylates and thus activates MAPK1/ERK2 and MAPK2/ERK3. The activation of this kinase itself is dependent on the Ser/Thr phosphorylation by MAP kinase kinase kinases. Mutations in this gene cause cardiofaciocutaneous syndrome (CFC syndrome), a disease characterized by heart defects, mental retardation, and distinctive facial features similar to those found in Noonan syndrome. The inhibition or degradation of this kinase is also found to be involved in the pathogenesis of *Yersinia* and anthrax. A pseudogene, which is located on chromosome 7, has been identified for this gene.

Note: This product is for in vitro research use only