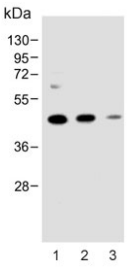
MAP2K1 Antibody / MEK1 (F54728)

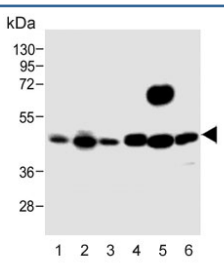
Catalog No.	Formulation	Size
F54728-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54728-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

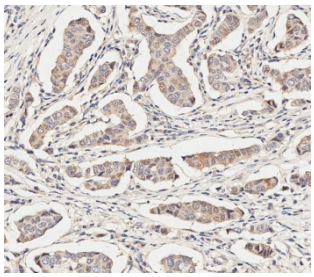
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	Q02750
Localization	Cytoplasmic, nuclear
Applications	Immunohistochemistry (FFPE) : 1:25 Western Blot : 1:500-1:2000
Limitations	This MAP2K1 antibody is available for research use only.



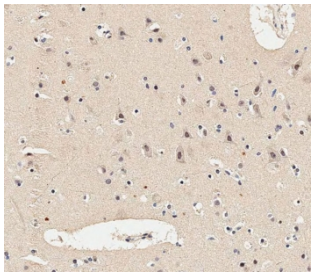
Western blot testing of 1) human MDA-MB-231, 2) mouse NIH 3T3 and 3) rat C6 cell lysate with MAP2K1 antibody. Predicted molecular weight ~43 kDa.



Western blot testing of 1) human A431, 2) human HeLa, 3) human Jurkat, 4) mouse NIH 3T3, 4) mouse spleen and 6) rat C6 cell lysate with MAP2K1 antibody. Predicted molecular weight ~43 kDa.



IHC testing of FFPE human breast cancer tissue with MAP2K1 antibody. HIER: steam section in pH9 EDTA for 20 min and allow to cool prior to staining.



IHC testing of FFPE human brain tissue with MAP2K1 antibody. HIER: steam section in pH9 EDTA for 20 min and allow to cool prior to staining.

Description

The protein encoded by this gene is a member of the dual specificity protein kinase family, which acts as a mitogen-activated protein (MAP) kinase kinase. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. This protein kinase lies upstream of MAP kinases and stimulates the enzymatic activity of MAP kinases upon wide variety of extra- and intracellular signals. As an essential component of MAP kinase signal transduction pathway, this kinase is involved in many cellular processes such as proliferation, differentiation, transcription regulation and development.

Application Notes

The stated application concentrations are suggested starting points. Titration of the MAP2K1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 200-227 from the human protein was used as the immunogen for the MAP2K1 antibody.

Storage

Aliquot the MAP2K1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.