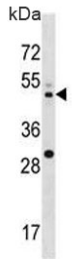
MEK2 Antibody / MAP2K2 (F54450)

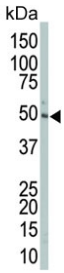
Catalog No.	Formulation	Size
F54450-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54450-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

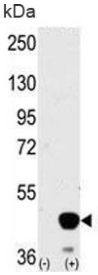
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	P36507
Localization	Cytoplasmic
Applications	Immunofluorescence: 1:25 Western blot: 1:500-1:2000 Immunohistochemistry (FFPE): 1:25
Limitations	This MEK2 antibody is available for research use only.



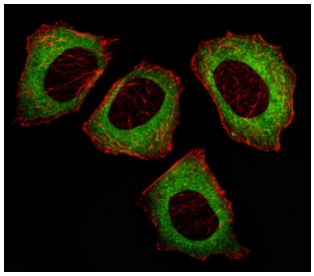
Western blot testing of human U937 cell lysate with MEK2 antibody. Expected molecular weight: 45-50 kDa.



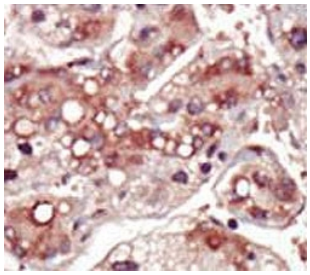
Western blot testing of mouse liver lysate with MEK2 antibody. Expected molecular weight: 45-50 kDa.



Western blot testing of 1) non-transfected and 2) transfected 293 cell lysate with MEK2 antibody.



Immunofluorescent staining of fixed and permeabilized human U-251 cells with MEK2 antibody (green) and anti-Actin (red).



IHC testing of FFPE human cancer tissue with MEK2 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.

Description

MAP2K2 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. The inhibition or degradation of this kinase is found to be involved in the pathogenesis of Yersinia and anthrax.

Application Notes

The stated application concentrations are suggested starting points. Titration of the MEK2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 262-292 from the human protein was used as the immunogen for the MEK2 antibody.

Storage

Aliquot the MEK2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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