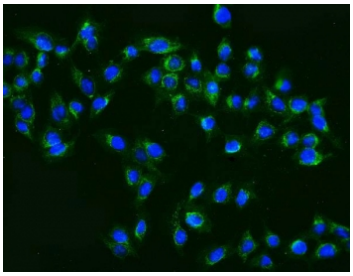
MAP2K2 Antibody / MEK2 (RQ5739)

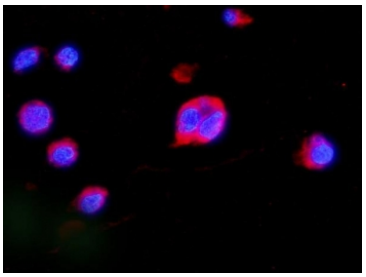
Catalog No.	Formulation	Size
RQ5739	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

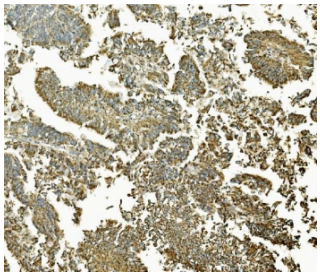
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P36507
Localization	Cytoplasmic, membrane
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry: 1-2ug/ml Immunofluorescence: 2-4ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This MAP2K2 antibody is available for research use only.



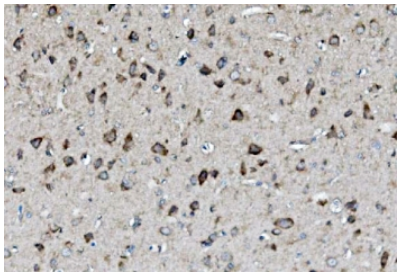
Immunofluorescent staining of FFPE human U-2 OS cells with MAP2K2 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



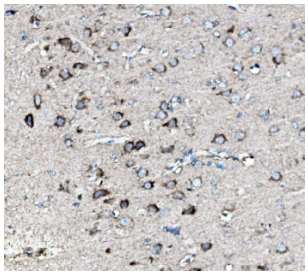
Immunofluorescent staining of FFPE human K562 cells with MAP2K2 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



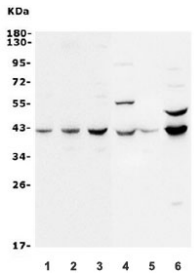
IHC staining of FFPE human rectal cancer with MAP2K2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



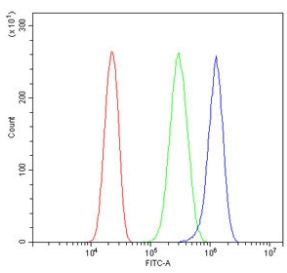
IHC staining of FFPE mouse brain with MAP2K2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat brain with MAP2K2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) HEK293, 2) Jurkat, 3) K562, 4) rat brain, 5) rat lung, 6) mouse ANA-1 lysate with MAP2K2 antibody. Predicted molecular weight ~45 kDa.



Flow cytometry testing of human SiHa cells with MAP2K2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= MAP2K2 antibody.

Description

Dual specificity mitogen-activated protein kinase kinase 2 (MAP2K2), also called PRKMK2 or MEK2, is an enzyme that in humans is encoded by the MAP2K2 gene. The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. MAP2K2 is mapped to 19p13.3. This kinase is known to play a critical role in mitogen growth factor signal transduction, and the inhibition or degradation of this kinase is found to be involved in the pathogenesis of Yersinia and anthrax. Recombinant MEK2 and MEK1 both could activate human ERK1 in vitro, and they further characterized biochemically the two MAP2Ks. MAP2K2 has been shown to interact with MAPK3 and ARAF.

Application Notes

Optimal dilution of the MAP2K2 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids M1-V400) was used as the immunogen for the MAP2K2 antibody.

Storage

After reconstitution, the MAP2K2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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