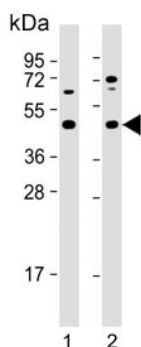


## MAP2K2 Antibody / MEK2 (F54958)

Catalog No.	Formulation	Size
F54958-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54958-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

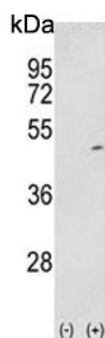
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity purified
<b>UniProt</b>	P36507
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	Immunohistochemistry (FFPE) : 1:10-1:50 Western blot : 1:500-1:1000
<b>Limitations</b>	This MAP2K2 antibody is available for research use only.



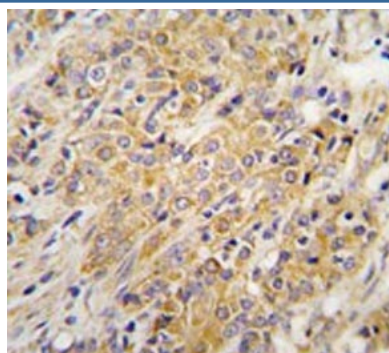
Western blot testing of human 1) HeLa and 2) MOLT4 cell lysate with MAP2K2 antibody.  
Expected molecular weight: 45-50 kDa.



Western blot testing of human Y79 cell lysate with MAP2K2 antibody. Expected molecular weight: 45-50 kDa.



Western blot testing of 1) non-transfected and 2) transfected 293 cell lysate with MAP2K2 antibody.



IHC testing of FFPE human prostate carcinoma tissue with MAP2K2 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 MAP2K2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 200-229 from the human protein was used as the immunogen for the MAP2K2 antibody.

## Storage

Aliquot the MAP2K2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

