

MKK3(Ab-189) Antibody

Catalog No: #21116

Package Size: #21116-1 50ul #21116-2 100ul #21116-4 25ul

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Description

Product Name	MKK3(Ab-189) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IHC IF
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous level of total MKK3 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.187~191 (V-D-S-V-A) derived from Human MKK3.
Target Name	MKK3
Other Names	MAP kinase kinase 3; MAP2K3; MAPK/ERK kinase 3; MAPKK 3; MEK3
Accession No.	Swiss-Prot: P46734NCBI Protein: NP_002747.2
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

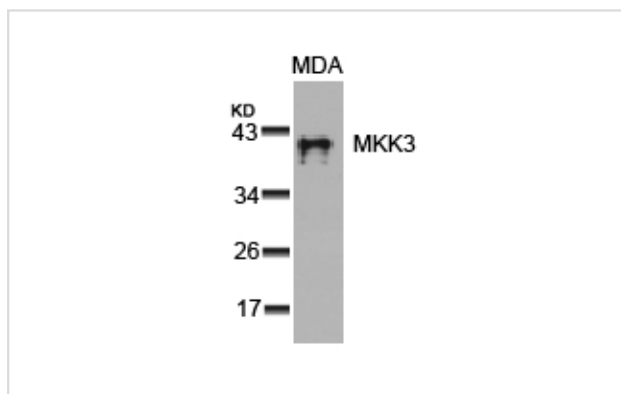
Predicted MW: 40kd

Western blotting: 1:500~1:1000

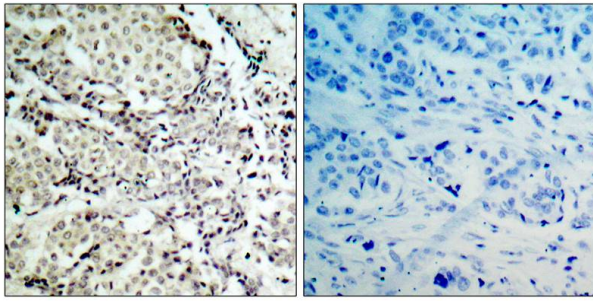
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

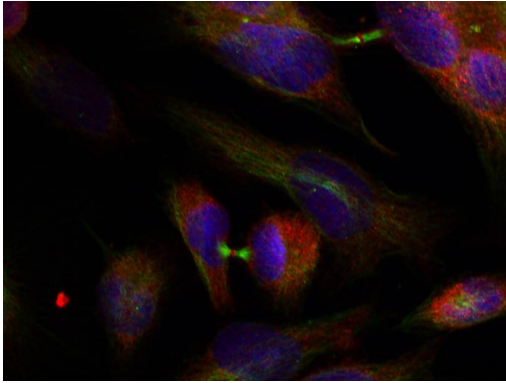
Images



Western blot analysis of extracts from MDA cells using MKK3(Ab-189) Antibody #21116.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using MKK3(Ab-189) Antibody #21116(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed HeLa cells using MKK3(Ab-189) Antibody #21116.

Background

MEK3 belongs to MAPKK family. This kinase is activated by mitogenic and environmental stress, and participates in the MAPK-mediated signaling cascade. It phosphorylates and thus activates p38. This kinase can be activated by insulin, and is necessary for the expression of glucose transporter. Expression of Ras oncogene is found to result in the accumulation of the active form of this kinase, which thus leads to the constitutive activation of p38, and confers oncogenic transformation of primary cells. The inhibition of this kinase is involved in the pathogenesis of *Yersinia pseudotuberculosis*.
Wang W, et al. (2002) *Mol Cell Biol* ; 22(10): 3389-403.
Raingeaud J, et al. (1996) *Mol Cell Biol*; 16(3): 1247-55.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.