

Datasheet for ABIN2177687
anti-MAP2K3 antibody (pSer207)



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2 Images

Overview

Quantity:	100 µL
Target:	MAP2K3
Binding Specificity:	pSer207
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAP2K3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human MKK3 around the phosphorylation site of Ser218
Isotype:	IgG
Specificity:	This phosphorylation site is homologous in Mouse and homologous to that of Ser290 in Rat in MKK3, and homologous across the listed species in MKK6.
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	MAP2K3
Alternative Name:	MKK3 + MKK6 (MAP2K3 Products)
Background:	Synonyms: MKK3Ser218, MAP Kinase Kinase 3, Dual specificity mitogen activated protein kinase kinase 3, ERK kinase 3, MAP kinase kinase 3, MAP2K 3, MAPK ERK kinase 3, MAPK kinase 3, MAPKK 3, MAPKK3, MEK 3, MEK3, Mitogen activated protein kinase kinase 3, MKK 3, MKK3, mMKK 3b, mMKK3b, MPK 3, PRKMK 3, PRKMK3, Protein kinase mitogen activated kinase 3, SKK2, zMKK 3, MP2K3_HUMAN, MP2K6_HUMAN Background: The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is activated by mitogenic and environmental stress, and participates in the MAP kinase-mediated signaling cascade. It phosphorylates and thus activates MAPK14/p38-MAPK. 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 MAPK14, and confers oncogenic transformation of primary cells. The inhibition of this kinase is involved in the pathogenesis of Yersina pseudotuberculosis. Multiple alternatively spliced transcript variants that encode distinct isoforms have been reported for this gene.
Gene ID:	5606, 5608
Pathways:	MAPK Signaling , TLR Signaling , Activation of Innate immune Response , Toll-Like Receptors Cascades , Autophagy , Signaling Events mediated by VEGFR1 and VEGFR2

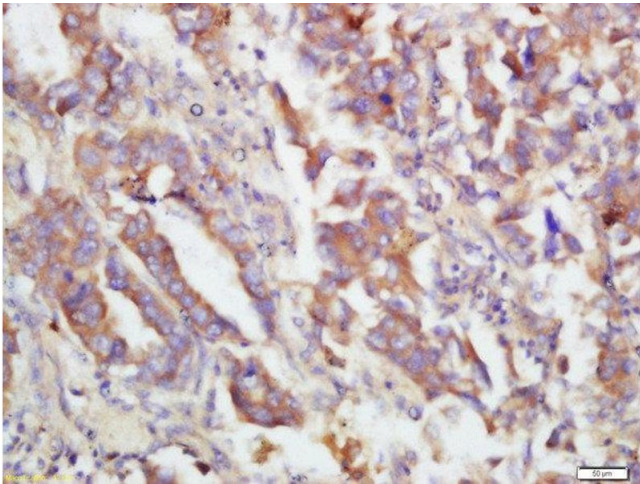
Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 µg/µL

Handling

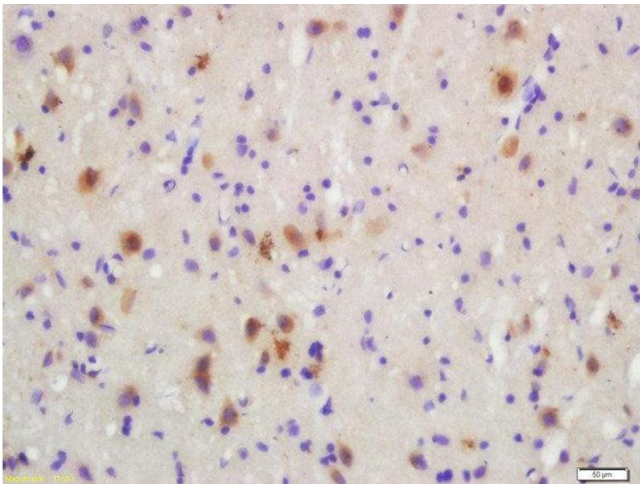
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin embedded human lung carcinoma labeled with Rabbit Anti-MKK3(Ser218)/MKK6(Ser207) Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti-MKK3(Ser218)/MKK6(Ser207) Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining