Datasheet for ABIN966514

anti-MAP2K4 antibody

2 Publications

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Overview

Quantity:	0.1 mg
Target:	MAP2K4
Reactivity:	Human
Host:	Please inquire
Clonality:	Monoclonal
Conjugate:	This MAP2K4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Isotype:	IgM
Specificity:	Ni-NTA purified truncated recombinant MAP2K4 expressed in E. Coli strain BL21 (DE3)
Purification:	Antibodies are purified by protein A affinity chromatography

Target Details

Target:	MAP2K4
Alternative Name:	MAP2K4 (MAP2K4 Products)
Background:	MAP2K4(mitogen-activated protein kinase kinase 4), which is located on chromosome 17p11.2, with 399-amino acid protein (about 45 kDa), belongs to the family of protein kinases located upstream of the MAP kinases and responsible for their activation has been identified. MEK-4 (also called MEK4/MKK4) activates both p38 and JNK MAP kinases. MKK4 is a central mediator in the stress activated protein kinase signaling pathway that responds to a number of

Target Details

	cellular and environmental stressors. By phosphorylating MAP kinases such as JNK,MKK4 can ultimately transmit stress signals to nuclear transcription factors that mediate various processes including proliferation, apoptosis, and differentiation. Its distinct biological functions have been identified for MKK4 including a role in development, hepatogenesis, and metastasis suppression.
Gene ID:	6416
Pathways:	MAPK Signaling, TLR Signaling, Fc-epsilon Receptor Signaling Pathway, Activation of Innate immune Response, Toll-Like Receptors Cascades, BCR Signaling

Application Details

Application Notes:	Western Blot: 1: 500- 1: 1,000 IHC(P): 1: 500- 1: 1,000 ELISA: Propose dilution 1: 10,000. Determining optimal working dilutions by titration test.
Restrictions:	For Research Use only

Handling

Storage:	-20 °C

Publications

Product cited in:	Kim, Vander Griend, Yang, Benson, Dubauskas, Yoshida, Chekmareva, Ichikawa, Sokoloff, Zhan, Karrison, Lin, Stadler, Ichikawa, Rubin, Rinker-Schaeffer: "Mitogen-activated protein kinase kinase 4 metastasis suppressor gene expression is inversely related to histological pattern in advancing human prostatic cancers." in: **Cancer research**, Vol. 61, Issue 7, pp. 2833-7, (2001) (PubMed). Cuenda: "Mitogen-activated protein kinase kinase 4 (MKK4)." in: **The international journal of biochemistry & cell biology**, Vol. 32, Issue 6, pp. 581-7, (2000) (PubMed).