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Datasheet for ABIN1724655

anti-MAP2K4 antibody

1 Image

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Overview

Quantity:	100 µL
Target:	MAP2K4
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Purified recombinant fragment of MAP2K4 expressed in E. coli.
Clone:	2D10D8
Isotype:	IgM
Purification:	purified

Target Details

Target:	MAP2K4
Alternative Name:	MAP2K4 (MAP2K4 Products)
Background:	Description: 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

Target Details

responds to a number of 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.

Aliases: MAP2K4

Gene ID: 6416

HGNC: 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: ELISA: 1:10000, IHC: 1:200 - 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

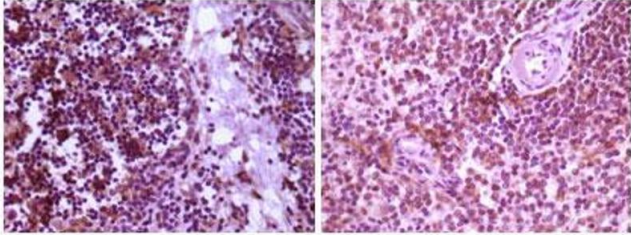
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

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](#)).



Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human thymoma tissue (left) and spleen tissue (right), showing cytoplasmic localization using MAP2K4 mouse mAb with DAB staining.