Datasheet for ABIN969268

anti-MAP2K4 antibody

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Overview

Quantity:	100 µL
Target:	MAP2K4
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MAP2K4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human MAP2K4 expressed in E. coli.
Clone:	5H4
Isotype:	IgG1
Purification:	purified

Target Details

Target:	MAP2K4
Alternative Name:	MAP2K4 (MAP2K4 Products)
Background:	Description: This gene encodes a dual specificity protein kinase that belongs to the Ser/Thr protein kinase family. This kinase is a direct activator of MAP kinases in response to various environmental stresses or mitogenic stimuli. It has been shown to activate MAPK8/JNK1, MAPK9/JNK2, and MAPK14/p38, but not MAPK1/ERK2 or MAPK3/ERK3. This kinase is

Target Details

	phosphorylated, and thus activated by MAP3K1/MEKK. The knockout studies in mice suggested the roles of this kinase in mediating survival signal in T cell development, as well as in the organogenesis of liver.Tissue specificity: Abundant expression is seen in the skeletal muscle. It is also widely expressed in other tissues . Aliases: JNKK, MEK4, MKK4, SEK1, JNKK1, SERK1, MAPKK4, PRKMK4, MAP2K4
Molecular Weight:	42 kDa
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, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, FCM: 1:200 - 1:400
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:	Song, Coffa, Fu, Gurevich: "How does arrestin assemble MAPKs into a signaling complex?" in: **The Journal of biological chemistry**, Vol. 284, Issue 1, pp. 685-95, (2008) (PubMed). Yoshizawa, Hammaker, Sweeney, Boyle, Firestein: "Synoviocyte innate immune responses: I. Differential regulation of interferon responses and the JNK pathway by MAPK kinases." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 181, Issue 5, pp. 3252-8, (2008) (PubMed

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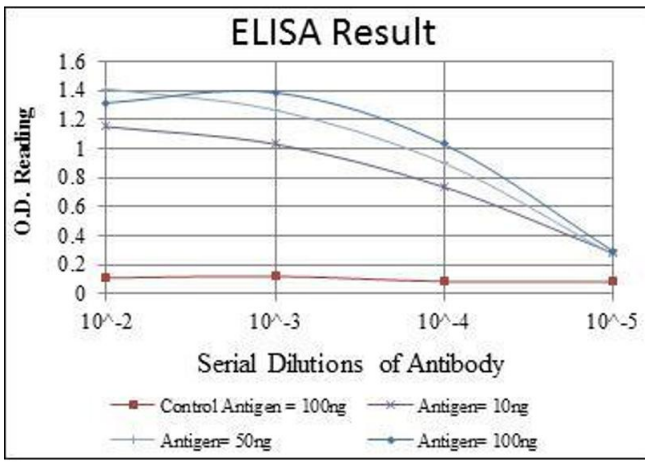
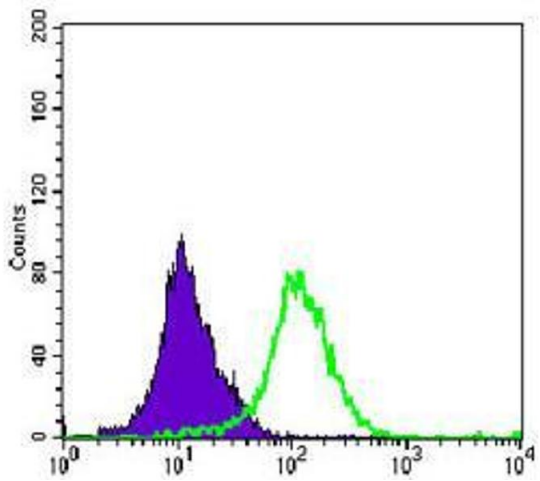
Images



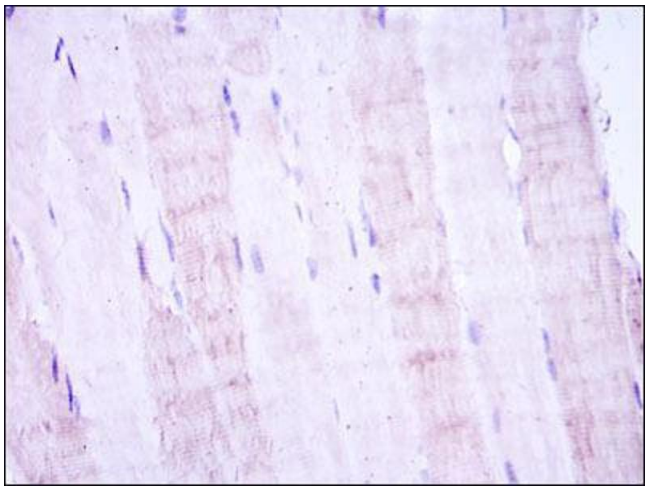
ELISA

Image 1. Red: Control Antigen (100 ng), Purple: Antigen (10 ng), Green: Antigen (50 ng), Blue: Antigen (100 ng),



Flow Cytometry

Image 2. Flow cytometric analysis of K562 cells using MAP2K4 mouse mAb (green) and negative control (purple).



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffin-embedded muscle tissues using MAP2K4 mouse mAb with DAB staining.

Please check the product details page for more images. Overall 4 images are available for ABIN969268.