Datasheet for ABIN6143486

anti-MAP2K4 antibody

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Overview

Quantity:	100 µL
Target:	MAP2K4
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAP2K4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Immunogen:	A synthetic peptide of human MAP2K4
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	MAP2K4
Alternative Name:	MAP2K4 (MAP2K4 Products)
Background:	This gene encodes a member of the mitogen-activated protein kinase (MAPK) family. Members of this family act as an integration point for multiple biochemical signals and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation, and development. They form a three-tiered signaling module composed of MAPKKKs, MAPKKs,

Target Details

	and MAPKs. This protein is phosphorylated at serine and threonine residues by MAPKKKs and subsequently phosphorylates downstream MAPK targets at threonine and tyrosine residues. A similar protein in mouse has been reported to play a role in liver organogenesis. A pseudogene of this gene is located on the long arm of chromosome X. Alternative splicing results in multiple transcript variants.,MAP2K4,JNKK,JNKK1,MAPKK4,MEK4,MKK4,PRKMK4,SAPKK-1,SAPKK1,SEK1,SERK1,SKK1,Signal Transduction,G protein signaling,G2/M DNA Damage Checkpoint,Kinase,Tyrosine kinases,ErbB-HER Signaling Pathway,MAPK-JNK Signaling Pathway,MAPK-P38 Signaling Pathway,Cell Biology & Developmental Biology,Cytoskeleton,Actins,TGF-b-Smad Signaling Pathway,Immunology & Inflammation,B Cell Receptor Signaling Pathway,T Cell Receptor Signaling Pathway,IL-6 Receptor Signaling Pathway,Toll-like Receptor Signaling Pathway,Neuroscience,Neurodegenerative Diseases,Dopamine Signaling in Parkinson's Disease,MAP2K4
Molecular Weight:	44 kDa/45 kDa
Gene ID:	6416
UniProt:	P45985
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:	WB,1:1000 - 1:4000,IP,1:50 - 1:100
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

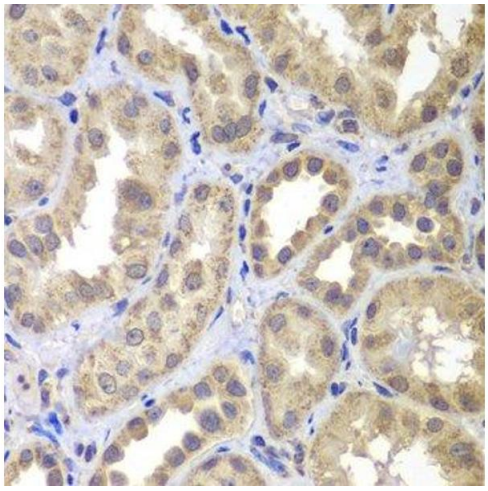
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Publications

Product cited in:

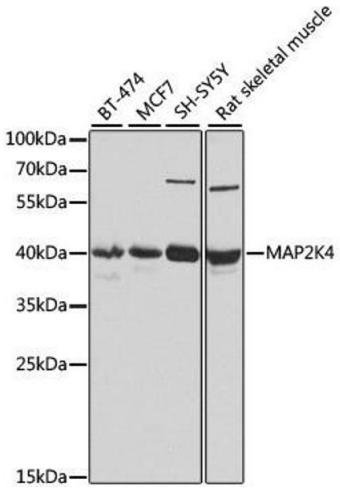
Li, Zhang, Zhu, Ashraf, Chen, Xu, Zhou, Zheng, Song, Chen, Ye, Cao: "Microarray Analysis Identifies the Potential Role of Long Non-Coding RNA in Regulating Neuroinflammation during Japanese Encephalitis Virus Infection." in: **Frontiers in immunology**, Vol. 8, pp. 1237, (2017) (PubMed).

Images



Immunohistochemistry (Paraffin-embedded Sections)

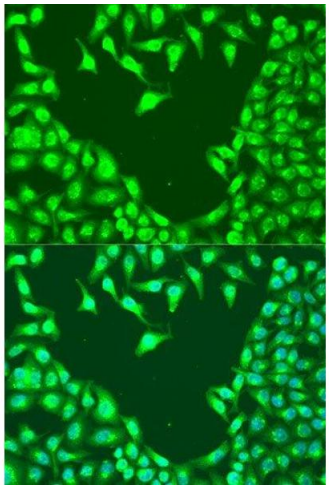
Image 1. Immunohistochemistry of paraffin-embedded human kidney using MAP2K4 antibody.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using MAP2K4 antibody.

Images



Immunofluorescence

Image 3. Immunofluorescence analysis of U2OS cells using MAP2K4 antibody.