BT LAB
Bioassay Technology Laboratory
Optimize Your Research

MEK-4 Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA0877
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant fragment of MEK-4 expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Dual specificity mitogen-activated protein kinase kinase 4
Synonyms	MAP2K4; JNKK1; MEK4; MKK4; PRKMK4; SEK1; SERK1; SKK1; Dual specificity mitogen-activated protein kinase kinase 4; MAP kinase kinase 4; MAPKK 4; JNK-activating kinase 1; MAPK; ERK kinase 4; MEK 4; SAPK; ERK kinase 1; SEK1; Stress-activated pro

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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, 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.

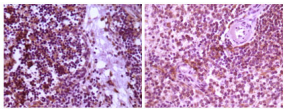
Recommended Dilution

ELISA: 1:10000

IHC: 1:200 - 1:1000

Not yet tested in other applications.

Images



Immunohistochemistry analysis of paraffin-embedded human thymoma tissue (left) and spleen tissue (right), showing cytoplasmic localization with DAB staining using MEK-4 Monoclonal antibody.

Storage

-20°C for one year

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