Product Name: MAP2K4 Mouse Monoclonal Antibody
Catalog #: AMM80564

Summary

Production Name	MAP2K4 Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	IHC,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgM
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	PBS containing 0.03% sodium azide.
Purification	Affinity Purification

Immunogen

Gene Name	MAP2K4
Alternative Names	MAP2K4
Gene ID	6416.0
SwissProt ID	P45985. Purified recombinant fragment of MAP2K4 expressed in E. Coli.

Application

Dilution Ratio	IHC:1:200-1:1000,ELISA:1:10000
Molecular Weight	/

Background

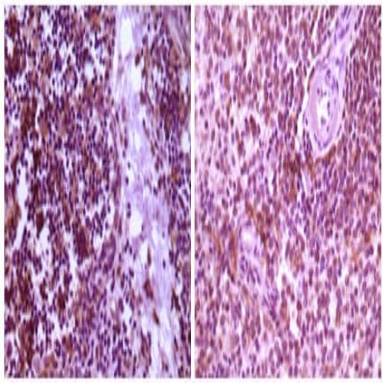
MAP2K4(mitogen-activated protein kinase kinase 4), which is located on chromosome 17p11.2, with 399-amino acid protein (about 45 kDa), belongs to the family of protein kinases located upstream of the MAP kinases and responsible for

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 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.

Research Area

Apoptosis,TGF-beta signaling pathway,MAPK signaling pathway,Jak-STAT signaling pathway

Image Data



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

Note

For research use only.