
Product Name: MLK2 Rabbit Polyclonal Antibody**Catalog #: APRab13953**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	IHC,ICC/IF,ELISA
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000

Molecular Weight

Antigen Information

Gene Name	MAP3K10
Alternative Names	MAP3K10; MLK2; MST; Mitogen-activated protein kinase kinase kinase 10; Mixed lineage kinase 2; Protein kinase MST
Gene ID	4294.0
SwissProt ID	Q02779
Immunogen	The antiserum was produced against synthesized peptide derived from human MAP3K10. AA range:391-440

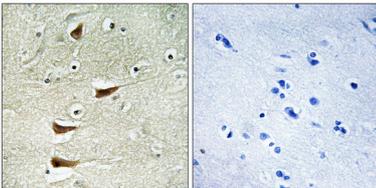
Background

The protein encoded by this gene is a member of the serine/threonine kinase family. This kinase has been shown to activate MAPK8/JNK and MKK4/SEK1, and this kinase itself can be phosphorylated, and thus activated by JNK kinases. This kinase functions preferentially on the JNK signaling pathway, and is reported to be involved in nerve growth factor (NGF) induced neuronal apoptosis. [provided by RefSeq, Jul 2008],catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Homodimerization via the leucine zipper domains is required for autophosphorylation and subsequent activation.,function:Activates the JUN N-terminal pathway.,PTM:Autophosphorylation on serine and threonine residues within the activation loop plays a role in enzyme activation.,similarity:Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase kinase subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 SH3 domain.,subunit:Homodimer.,tissue specificity:Expressed in brain and skeletal muscle.,

Research Area

SAPK_JNK

Image Data



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using MAP3K10 Antibody. The picture on the right is blocked with the synthesized peptide.