Product Name: MLK2 Rabbit Polyclonal Antibody
Catalog #: APRab13953

Summary

Production Name	MLK2 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC,ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

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.The antiserum was produced against synthesized peptide derived from human MAP3K10. AA range:391-440

Application

Dilution Ratio	IHC 1:100-1:300 ELISA: 1:20000
Molecular Weight	

Background

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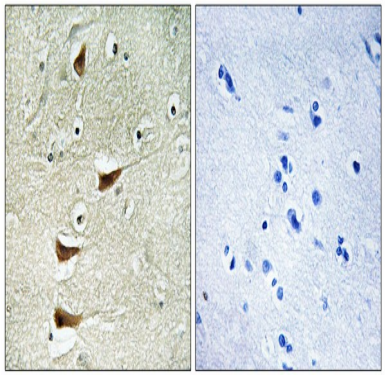
The protein encoded by this gene is a member of the serine/threonine kinase family. This kinase has been shown to activate MAPK8/JNK and MKK4/SEK1, and this kinase itself can be phoshorylated, and thus activated by JNK kinases. This kinase functions preferentially on the JNK signaling pathway, and is 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.

Note

For research use only.