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MLK2/MAP3K10 Rabbit pAb

Catalog # AP100178

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q02779
Other Accession	Q02779
Reactivity	Mouse
Predicted	Rat, Pig, Human, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	103694
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MLK2/MAP3K10
Epitope Specificity	751-850/954
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase kinase subfamily. Contains 1 protein kinase domain. Contains 1 SH3 domain.
SUBUNIT	Homodimer (By similarity).
Post-translational modifications	Autophosphorylation on serine and threonine residues within the activation loop plays a role in enzyme activation (By similarity).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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].

Additional Information

Gene ID	4294
Other Names	MEKK10; MLK2; MST; M3K10_HUMAN; MAP3K10; Mixed lineage kinase 2; Protein kinase MST; 2.7.11.25; M3K10_MOUSE; mitogen-activated protein kinase kinase kinase 10; MKN28 kinase; MKN28 derived nonreceptor_type serine/threonine kinase
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

Protein Information

Name	MAP3K10
Synonyms	MLK2, MST
Function	Activates the JUN N-terminal pathway.
Tissue Location	Expressed in brain and skeletal muscle.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.