

MLK4 Polyclonal antibody

Catalog Number: 24395-1-AP

Basic Information

Catalog Number: 24395-1-AP	GenBank Accession Number: BC136649	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop and 247 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 84451	Recommended Dilutions: WB 1:500-1:2000 IF 1:10-1:100
Source: Rabbit	Full Name: mixed lineage kinase 4	
Isotype: IgG	Calculated MW: 1036 aa, 114 kDa	
Immunogen Catalog Number: AG18904	Observed MW: 53 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : HeLa cells, IF : C6 cells,

Background Information

MLK4 belongs to the MAP kinase kinase kinase subfamily. The MLK family members are characterized by the presence of signature sequences of Ser/Thr and Tyr kinases within their catalytic domain. The MLK1-4 contains an aminoterminal Src-Homology (SH3) domain, followed by the kinase domain, a leucine-zipper region, and a Cdc42/Rac-interactive binding (CRIB) motif. MLK4 expressed in two splicing variants, MLK4 α and MLK4 β . The difference of these two isoforms is located in their C-terminal portion. The negative effect of MLK4 on LPS-induced ERK and JNK activation could be very important in controlling the level of cytokine expression, and thus maintaining the balance of inflammatory responses. (PMID:21602844). This protein has 3 isoforms produced by alternative splicing with the molecular weight of 63 kDa, 113 kDa, 53 kDa.

Storage

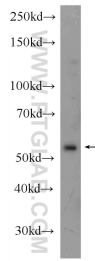
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

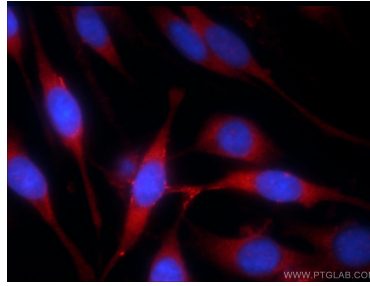
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 24395-1-AP (MLK4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of C6 cells using 24395-1-AP (MLK4 antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.