For Research Use Only

MLK4 Polyclonal antibody

Catalog Number:24395-1-AP

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Basic Information

Catalog Number:
24395-1-AP

Size:
150ul , Concentration: 400 ug/ml by Nanodrop and 247 ug/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG18904

GenBank Accession Number:
BC136649

GeneID (NCBI):
84451

UNIPROT ID:
Q5TCX8

Full Name:
mixed lineage kinase 4

Calculated MW:
1036 aa, 114 kDa

Observed MW:
53 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:500-1:2000
IF/ICC: 1:10-1:100

Applications

Tested Applications:
WB, IF/ICC, ELISA

Species Specificity:
human, mouse, rat

Positive Controls:

WB : HeLa cells,

IF/ICC : 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 ofSer/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, MLK4α and MLK4β. 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

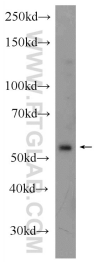
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

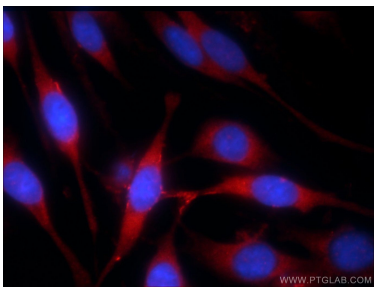
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.