

AP00169PU-N**Polyclonal Antibody to MAP3K11 (C-term) - Aff - Purified**

Alternate names:	MLK3, Mitogen-activated protein kinase kinase kinase 11, Mixed lineage kinase 3, PTK1, Src-homology 3 domain-containing proline-rich kinase
Quantity:	0.1 mg
Concentration:	0.5 mg/ml
Background:	MLK3 (Mixed lineage kinase 3) is a serine/threonine kinase that has an amino-terminal SH3 domain followed by the kinase domain and two leucine zippers, a cdc42/Rac1 binding (CRIB) domain and several other domains/motifs at the carboxy-terminal region. MLK3 functions as a MAPKKK of the SAPK/JNK stress pathway by directly phosphorylating SEK1/MKK4 and MKK7, although it is controversial whether MLK3 is involved in p38 stress pathway activation. MLK3 also functions as an IκB kinase and mediates the activation of the transcriptional factor NF-κB stimulated by CD3/CD28, suggesting a role for MLK3 in immune and inflammatory responses.
Uniprot ID:	Q16584
NCBI:	NP_002410.1
GeneID:	4296
Host:	Rabbit
Immunogen:	Synthetic peptide mapping to the C-terminus of human MLK3.
Format:	State: Liquid Purification: Affinity purified Buffer System: PBS containing 50 % glycerol, 1 % BSA, and 0.02 % thimerosal
Applications:	Western Blot: 0.5-4 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The antibody recognizes 92 kDa MLK3. It does not cross react with MLK1, MLK2 and other mixed lineage kinases. Species: Human, Mouse, Rat. Other species not tested.
Storage:	Store the antibody undiluted at -20°C or for long term storage (in aliquots) at -70°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Pictures:

Western blot analysis of MLK3 expression with HeLa cell lysate.

