

MLK3 (phospho Ser674) Polyclonal Antibody
Catalog # AP68134

Specification

MLK3 (phospho Ser674) Polyclonal Antibody - Product Information

Application	WB
Primary Accession	Q16584
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

MLK3 (phospho Ser674) Polyclonal Antibody - Additional Information

Gene ID 4296

Other Names

MAP3K11; MLK3; PTK1; SPRK; Mitogen-activated protein kinase kinase kinase 11; Mixed lineage kinase 3; Src-homology 3 domain-containing proline-rich kinase

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

MLK3 (phospho Ser674) Polyclonal Antibody - Protein Information

Name MAP3K11 ([HGNC:6850](#))

Function

Activates the JUN N-terminal pathway. Required for serum- stimulated cell proliferation and for mitogen and cytokine activation of MAPK14 (p38), MAPK3 (ERK) and MAPK8 (JNK1) through phosphorylation and activation of MAP2K4/MKK4 and MAP2K7/MKK7. Plays a role in mitogen-stimulated phosphorylation and activation of BRAF, but does not phosphorylate BRAF directly. Influences microtubule organization during the cell cycle.

Cellular Location

Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Note=Location is cell cycle dependent

Tissue Location

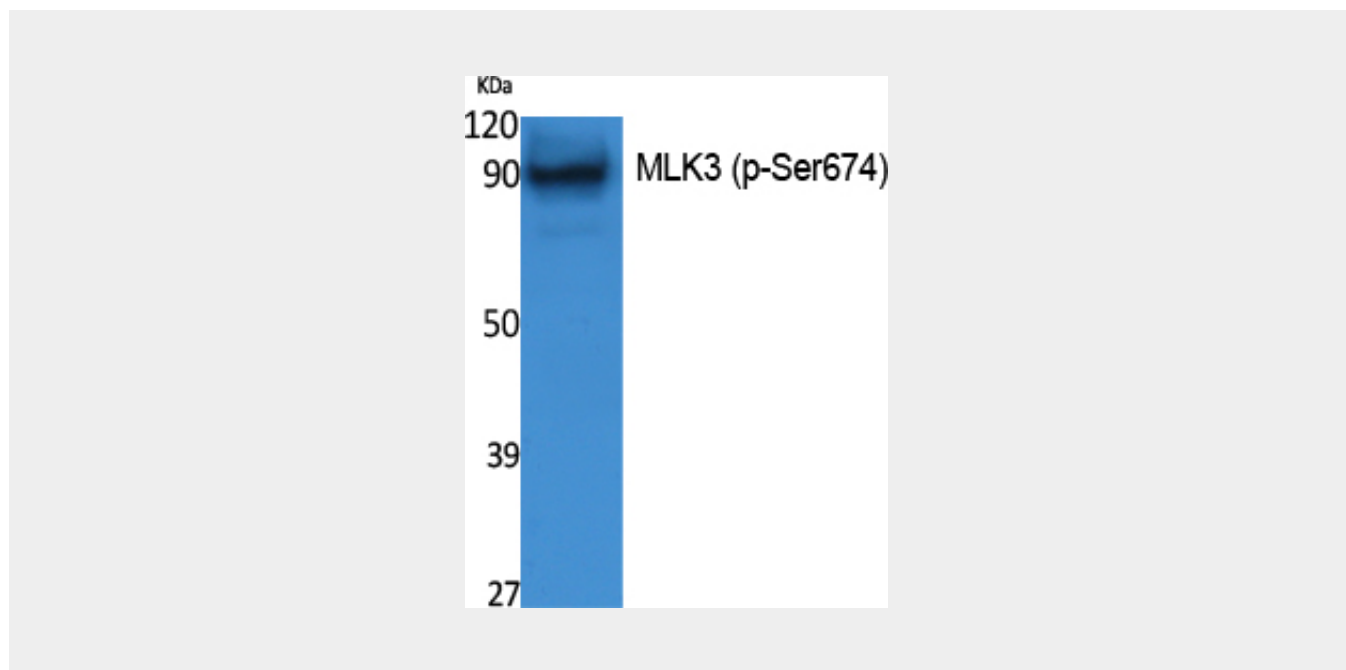
Expressed in a wide variety of normal and neoplastic tissues including fetal lung, liver, heart and kidney, and adult lung, liver, heart, kidney, placenta, skeletal muscle, pancreas and brain.

MLK3 (phospho Ser674) Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MLK3 (phospho Ser674) Polyclonal Antibody - Images



MLK3 (phospho Ser674) Polyclonal Antibody - Background

Activates the JUN N-terminal pathway. Required for serum-stimulated cell proliferation and for mitogen and cytokine activation of MAPK14 (p38), MAPK3 (ERK) and MAPK8 (JNK1) through phosphorylation and activation of MAP2K4/MKK4 and MAP2K7/MKK7. Plays a role in mitogen-stimulated phosphorylation and activation of BRAF, but does not phosphorylate BRAF directly. Influences microtubule organization during the cell cycle.