

Product datasheet

Anti-MLK3 (phospho T277 + S281) antibody ab191530

3 References 1 Image

Overview

| | |
|----------------------------|--|
| Product name | Anti-MLK3 (phospho T277 + S281) antibody |
| Description | Rabbit polyclonal to MLK3 (phospho T277 + S281) |
| Host species | Rabbit |
| Specificity | ab191530 detects endogenous levels of Human MLK3 when phosphorylated at Thr277 and Ser281. |
| Tested applications | Suitable for: WB |
| Species reactivity | Reacts with: Mouse, Rat, Human |
| Immunogen | Synthetic peptide corresponding to Human MLK3 (phospho T277 + S281). (around the phosphorylation site of Threonine 277 and Serine 281). Database link: Q16584 |
| Positive control | HEK293T, NIH 3T3 and PC12 whole cell lysates. |

Properties

| | |
|-----------------------------|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. |
| Storage buffer | pH: 7.2 Preservative: 0.05% Sodium azide Constituent: 99% PBS |
| Purity | Immunogen affinity purified |
| Purification notes | ab191530 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE). |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

Our [Abpromise guarantee](#) covers the use of **ab191530** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|---|
| WB | | 1/500 - 1/1000. Predicted molecular weight: 93 kDa. |

Target

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). Plays a role in mitogen-stimulated phosphorylation and activation of BRAF, but does not phosphorylate BRAF directly. Influences microtubule organization during the cell cycle.

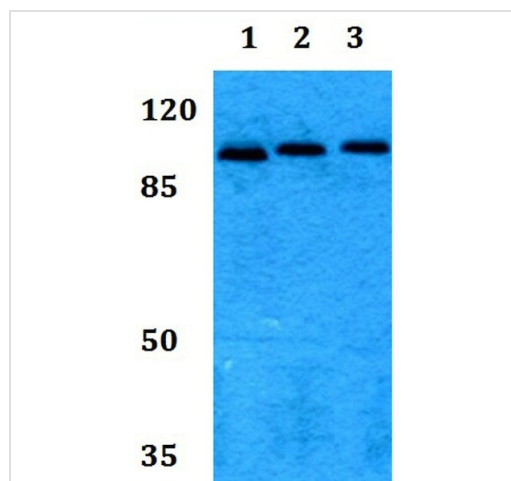
Tissue specificity Expressed in a wide variety of normal and neoplastic tissues including fetal lung, liver, heart and kidney, and adult lung, liver, heart, kidney, placenta, skeletal muscle, pancreas and brain.

Sequence similarities Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase subfamily.
Contains 1 protein kinase domain.
Contains 1 SH3 domain.

Post-translational modifications Autophosphorylation on serine and threonine residues within the activation loop plays a role in enzyme activation. Thr-277 is likely to be the main autophosphorylation site. Phosphorylation of Ser-555 and Ser-556 is induced by CDC42.

Cellular localization Cytoplasm > cytoskeleton > centrosome. Location is cell cycle dependent.

Images



All lanes : Anti-MLK3 (phospho T277 + S281) antibody (ab191530)

Lane 1 : HEK293T whole cell lysate

Lane 2 : NIH 3T3 whole cell lysate

Lane 3 : PC12 whole cell lysate

Predicted band size: 93 kDa

Western blot - Anti-MLK3 (phospho T277 + S281) antibody (ab191530)

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