

## Anti-STK24 / MST3 Antibody

Rabbit Anti Human Polyclonal Antibody Catalog # ALS18513

## **Specification**

## Anti-STK24 / MST3 Antibody - Product Information

Application WB, IHC-P, E
Primary Accession
Predicted Human
Host Rabbit
Clonality Polyclonal
Isotype IgG

Calculated MW 49308

## Anti-STK24 / MST3 Antibody - Additional Information

**Gene ID 8428** 

Alias Symbol STK24

**Other Names** 

STK24, MST-3, MST3, Serine/threonine kinase 24, STE20-like kinase 3, STE20-like kinase MST3, MST3B, STE20, Sterile 20-like kinase 3

Target/Specificity
Human STK24 / MST3

## **Reconstitution & Storage**

Caprylic acid and ammonium sulfate precipitation

#### **Precautions**

Anti-STK24 / MST3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

# Anti-STK24 / MST3 Antibody - Protein Information

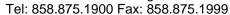
Name STK24

Synonyms MST3, STK3

### **Function**

Serine/threonine-protein kinase that acts on both serine and threonine residues and promotes apoptosis in response to stress stimuli and caspase activation. Mediates oxidative-stress-induced cell death by modulating phosphorylation of JNK1-JNK2 (MAPK8 and MAPK9), p38 (MAPK11, MAPK12, MAPK13 and MAPK14) during oxidative stress. Plays a role in a staurosporine-induced caspase-independent apoptotic pathway by regulating the nuclear translocation of AIFM1 and ENDOG and the DNase activity associated with ENDOG. Phosphorylates STK38L on 'Thr-442' and stimulates its kinase activity. In association with STK26 negatively regulates Golgi reorientation in polarized cell migration upon RHO activation (PubMed:<a







href="http://www.uniprot.org/citations/27807006" target=" blank">27807006</a>). Regulates also cellular migration with alteration of PTPN12 activity and PXN phosphorylation: phosphorylates PTPN12 and inhibits its activity and may regulate PXN phosphorylation through PTPN12. May act as a key regulator of axon regeneration in the optic nerve and radial nerve.

#### **Cellular Location**

Cytoplasm. Nucleus. Membrane. Note=The truncated form (MST3/N) translocates to the nucleus. Colocalizes with STK38L in the membrane

### **Tissue Location**

Isoform A is ubiquitous. Isoform B is expressed in brain with high expression in hippocampus and cerebral cortex

## Anti-STK24 / MST3 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Anti-STK24 / MST3 Antibody - Images