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Mouse Stk24 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP18059c

Specification

Mouse Stk24 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q99KH8

Mouse Stk24 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 223255

Other Names
Serine/threonine-protein kinase 24, Mammalian STE20-like protein kinase 3, MST-3, STE20-like kinase MST3, Serine/threonine-protein kinase 24 35 kDa subunit, Mammalian STE20-like protein kinase 3 N-terminal, MST3/N, Serine/threonine-protein kinase 24 12 kDa subunit, Mammalian STE20-like protein kinase 3 C-terminal, MST3/C, Stk24, Mst3, Stk3

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Mouse Stk24 Antibody (Center) Blocking Peptide - 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. 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. Acts as a key regulator of axon regeneration in the optic nerve and radial nerve (By similarity).

Cellular Location

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

Mouse Stk24 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

Mouse Stk24 Antibody (Center) Blocking Peptide - Images

Mouse Stk24 Antibody (Center) Blocking Peptide - Background

Protein kinase that act on both serine and threonine residues (By similarity).

Mouse Stk24 Antibody (Center) Blocking Peptide - References

Taniwaki, T., et al. Dev. Growth Differ. 47(3):163-172(2005)Shu, H., et al. Mol. Cell Proteomics 3(3):279-286(2004)Zambrowicz, B.P., et al. Proc. Natl. Acad. Sci. U.S.A. 100(24):14109-14114(2003)Piao, Y., et al. Genome Res. 11(9):1553-1558(2001)Araki, K., et al. Cell. Mol. Biol. (Noisy-le-grand) 45(5):737-750(1999)