

**Mouse Stk24 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP18059c****Specification**

---

**Mouse Stk24 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O99KH8</a>
Other Accession	<a href="#">O9Y6E0</a> , <a href="#">NP_663440.1</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	47954
Antigen Region	222-249

**Mouse Stk24 Antibody (Center) - 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

**Target/Specificity**

This Mouse Stk24 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 222-249 amino acids from the Central region of mouse Stk24.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Mouse Stk24 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**Mouse Stk24 Antibody (Center) - Protein Information****Name** Stk24 {ECO:0000312|MGI:MGI:2385007}

**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. Also regulates 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. Part of the striatin-interacting phosphatase and kinase (STRIPAK) complexes. STRIPAK complexes have critical roles in protein (de)phosphorylation and are regulators of multiple signaling pathways including Hippo, MAPK, nuclear receptor and cytoskeleton remodeling. Different types of STRIPAK complexes are involved in a variety of biological processes such as cell growth, differentiation, apoptosis, metabolism and immune regulation.

#### Cellular Location

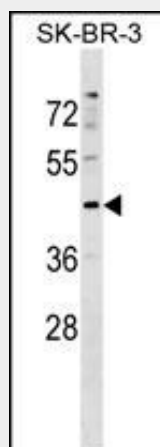
Cytoplasm. Nucleus. Membrane. Note=The truncated form (MST3/N) translocates to the nucleus. Colocalizes with STK38L in the membrane (By similarity).

#### Mouse Stk24 Antibody (Center) - 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](#)

#### Mouse Stk24 Antibody (Center) - Images



Mouse Stk24 Antibody (Center) (Cat. #AP18059c) western blot analysis in SK-BR-3 cell line lysates (35ug/lane). This demonstrates the Stk24 antibody detected the Stk24 protein (arrow).

#### Mouse Stk24 Antibody (Center) - Background

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

#### **Mouse Stk24 Antibody (Center) - 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)