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Mouse Stk16 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP14467c

Specification

Mouse Stk16 Antibody (Center) Blocking Peptide - Product Information

Primary Accession O88697

Mouse Stk16 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 20872

Other Names
Serine/threonine-protein kinase 16, Embryo-derived protein kinase, Edpk, Myristoylated and palmitoylated serine/threonine-protein kinase, MPSK, Protein kinase Krct, Protein kinase PKL12, TGF-beta-stimulated factor 1, TSF-1, Tyrosine-protein kinase STK16, Stk16, Edpk, Krct, Mpsk1, Pkl12, Tsf1

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 Stk16 Antibody (Center) Blocking Peptide - Protein Information

Name Stk16

Synonyms Edpk, Krct, Mpsk1, Pkl12, Tsf1

Function
Membrane-associated protein kinase that phosphorylates on serine and threonine residues. In vitro substrates include DRG1, ENO1 and EIF4EBP1. Also autophosphorylates (By similarity). May be involved in secretory vesicle trafficking or intracellular signaling. May have a role in regulating stromal-epithelial interactions that occur during ductal morphogenesis in the mammary gland. May be involved in TGF-beta signaling. Able to autophosphorylate on Tyr residue; it is however unclear whether it has tyrosine-protein kinase toward other proteins.

Cellular Location
Cytoplasm, perinuclear region. Membrane; Lipid-anchor. Note=Associates with Golgi and Golgi-derived vesicles

Tissue Location
Ubiquitously expressed at low levels. Relatively higher levels in testis, kidney and liver.

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Mouse Stk16 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

Mouse Stk16 Antibody (Center) Blocking Peptide - Images

Mouse Stk16 Antibody (Center) Blocking Peptide - Background

Protein kinase that act on both serine and threonine residues.

Mouse Stk16 Antibody (Center) Blocking Peptide - References

Hoffman, B.G., et al. Genome Biol. 9 (6), R99 (2008) :Guinea, B., et al. Exp. Cell Res. 312(2):135-144(2006)Blackshaw, S., et al. PLoS Biol. 2 (9), E247 (2004) :Zambrowicz, B.P., et al. Proc. Natl. Acad. Sci. U.S.A. 100(24):14109-14114(2003)Ligos, J.M., et al. J. Biol. Chem. 277(8):6333-6343(2002)