10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Mouse Stk38 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP19186b

Specification

Mouse Stk38 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q91VJ4

Mouse Stk38 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 106504

Other Names
Serine/threonine-protein kinase 38, NDR1 protein kinase, Nuclear Dbf2-related kinase 1, Stk38 {ECO:0000312|EMBL:AAH096581}

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 Stk38 Antibody (C-term) Blocking Peptide - Protein Information

Name Stk38 {ECO:0000312|EMBL:AAH09658.1}

Function
Serine/threonine-protein kinase that acts as a negative regulator of MAP3K1/2 signaling (PubMed:21730291). Converts MAP3K2 from its phosphorylated form to its non-phosphorylated form and inhibits autophosphorylation of MAP3K2 (By similarity). Acts as an ufmylation 'reader' in a kinase-independent manner: specifically recognizes and binds mono-ufmylated histone H4 in response to DNA damage, promoting the recruitment of SUV39H1 to the double-strand breaks, resulting in ATM activation (By similarity).

Cellular Location
Nucleus {ECO:0000250|UniProtKB:Q15208}. Cytoplasm {ECO:0000250|UniProtKB:Q15208}. Chromosome {ECO:0000250|UniProtKB:Q15208}. Note=Localizes to DNA double-strand breaks in response to DNA damage. {ECO:0000250|UniProtKB:Q15208}

Tissue Location
Expressed at high levels in spleen, lung, thymus, brain and fat tissue.

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Mouse Stk38 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

Mouse Stk38 Antibody (C-term) Blocking Peptide - Images

Mouse Stk38 Antibody (C-term) Blocking Peptide - Background

Negative regulator of MAP3K1/2 signaling. Converts MAP3K2 from its phosphorylated form to its nonphosphorylated form and inhibits autophosphorylation of MAP3K2 (By similarity).

Mouse Stk38 Antibody (C-term) Blocking Peptide - References

Cornils, H., et al. Sci Signal 3 (126), RA47 (2010) :Stegert, M.R., et al. J. Biol. Chem. 279(22):23806-23812(2004)Stryke, D., et al. Nucleic Acids Res. 31(1):278-281(2003)