

Mouse Stk38 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP19186B

Specification

Mouse Stk38 Antibody (C-term) - Product Information

Application Primary Accession Other Accession Reactivity Predicted Host Clonality Isotype Calculated MW Antigen Region WB,E <u>O91VJ4</u> <u>O15208</u>, <u>A2VDV2</u>, <u>NP_598876.1</u> Mouse Bovine, Human Rabbit Polyclonal Rabbit IgG 54174 429-458

Mouse Stk38 Antibody (C-term) - 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}

Target/Specificity

This Mouse Stk38 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 429-458 amino acids from the C-terminal region of mouse Stk38.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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 Stk38 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Mouse Stk38 Antibody (C-term) - 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:<u>21730291</u>). 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.

Mouse Stk38 Antibody (C-term) - Protocols

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

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

Mouse Stk38 Antibody (C-term) - Images



Anti-Mouse Stk38 Antibody (C-term) at 1:1000 dilution + mouse liver lysate Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 54 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Mouse Stk38 Antibody (C-term) - 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) - 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)