

Mouse Stk38 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19186B

Specification

Mouse Stk38 Antibody (C-term) - Product Information

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

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:[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

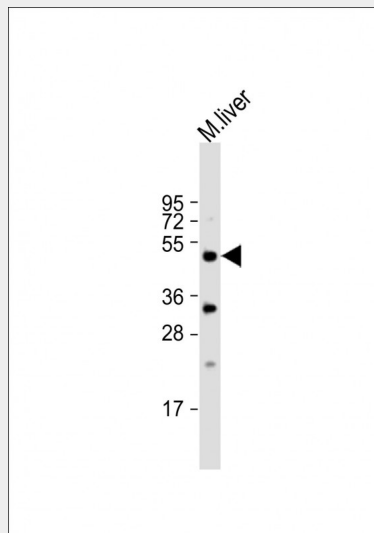
Expressed at high levels in spleen, lung, thymus, brain and fat tissue.

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



Anti-Mouse Stk38 Antibody (C-term) at 1:1000 dilution + mouse liver lysate Lysates/proteins at 20 µg 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)