

Rabbit anti-Mouse Stk11 Polyclonal Antibody | anti-Stk11 antibody

Mouse Stk11 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284150	Rabbit	Mouse	Immunofluorescence, Immunohistochemistry, ELISA, Western Blot

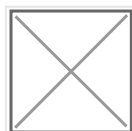
PRODUCT SYNONYMS

Stk11; Polyclonal Antibody; Mouse Stk11 Antibody (C-term); Serine/threonine-protein kinase STK11; Liver kinase B1 homolog; LKB1; mLKB1; Stk11 {ECO:0000312|MGI:MGI:1341870}; anti-Stk11 antibody

PRODUCT SPECIFICATIONS

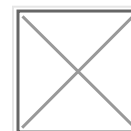
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Mouse Stk11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 393-420 amino acids from the C-terminal region of mouse Stk11.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	393-420
Sequence Length	436
Applicable Applications for anti-Stk11 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	MOUSE
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

Mouse Stk11 Antibody (C-term) western blot analysis in mouse cerebellum tissue lysates (35ug/lane). This demonstrates the Stk11 antibody detected the Stk11 protein (arrow).



WB (Western Blot)

Western blot analysis of lysate from NCI-H1299 cell line, using Mouse Stk11 Antibody (C-term). AAA284150 was diluted at 1:1000. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.



IF (Immunofluorescence)

Fluorescent image of A549 cells stained with XAF1 Mouse Stk11 Antibody (C-term). AAA284150 was diluted at 1:100 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor 555 conjugated with Phalloidin (red).



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded M.skeletal muscle section using Mouse Stk11 Antibody (C-term). AAA284150 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.

ADDITIONAL INFORMATION

Related Product Information for anti-Stk11 antibody	Essential role in G1 cell cycle arrest. Phosphorylates and activates members of the AMPK-related subfamily of protein kinases (By similarity). Tumor suppressor.
Product Categories/Family for anti-Stk11 antibody	Crown Antibodies ; Cancer ; Cell Biology ; Metabolism ; Neuroscience ; Signal Transduction
References	Gao, Y., et al. Proc. Natl. Acad. Sci. U.S.A. 107(44):18892-18897(2010) Bungard, D., et al. Science 329(5996):1201-1205(2010) Koh, H.J., et al. Proc. Natl. Acad. Sci. U.S.A. 107(35):15541-15546(2010) Foretz, M., et al. J. Clin. Invest. 120(7):2355-2369(2010) Asada, N., et al. J. Neurosci. 30(26):8852-8865(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	7106425
NCBI GeneID	20869
NCBI Accession #	NP_035622.1
NCBI GenBank Nucleotide #	NM_011492.4
UniProt Accession #	Q9WTK7 ; Q3TAE0 ; B3VBP0
Molecular Weight	49267
NCBI Official Full Name	serine/threonine-protein kinase STK11 isoform L
NCBI Official Synonym Full Names	serine/threonine kinase 11
NCBI Official Symbol	Stk11
NCBI Official Synonym Symbols	Lkb1; Par-4; R75140; AA408040
NCBI Protein Information	serine/threonine-protein kinase STK11
UniProt Protein Name	Serine/threonine-protein kinase STK11
UniProt Gene Name	Stk11
UniProt Synonym Gene Names	LKB1; mLKB1
UniProt Entry Name	STK11_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/stk11-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/284150>