

Rabbit Stk3 Polyclonal Antibody | anti-Stk3 antibody

Mouse Stk3 Antibody (C-term)

CATALOG # AAA285450	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Rat)	APPLICATIONS ELISA, Western Blot
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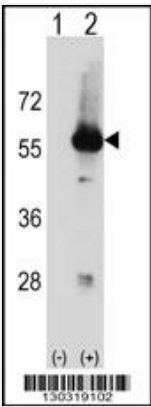
PRODUCT SYNONYMS

Stk3; Polyclonal Antibody; Mouse Stk3 Antibody (C-term); Serine/threonine-protein kinase 3; Mammalian STE20-like protein kinase 2; MST-2; STE20-like kinase MST2; Serine/threonine-protein kinase 3 36kDa subunit; MST2/N; Serine/threonine-protein kinase 3 20kDa subunit; MST2/C; Mess1; Mst2; anti-Stk3 antibody

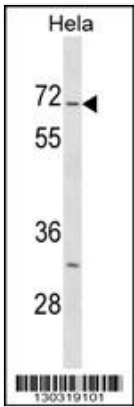
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Mouse Stk3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 387-415 amino acids from the C-terminal region of mouse Stk3.
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	387-415
Sequence Length	427
Applicable Applications for anti-Stk3 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
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)
Western blot analysis of Stk3 (arrow) using rabbit polyclonal Mouse Stk3 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the Stk3 gene.



WB (Western Blot)
Mouse Stk3 Antibody (C-term) western blot analysis in Hela cell line lysates (35ug/lane). This demonstrates the Stk3 antibody detected the Stk3 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-Stk3 antibody	Stress-activated, pro-apoptotic kinase which, following caspase-cleavage, enters the nucleus and induces chromatin condensation followed by internucleosomal DNA fragmentation. Key component of the Hippo signaling pathway which plays a pivotal role in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein MST1/MST2, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1/2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1/TAZ. Phosphorylation of YAP1 by LATS2 inhibits its translocation into the nucleus to regulate cellular genes important for cell proliferation, cell death, and cell migration. MST1/MST2 are required to repress proliferation of mature hepatocytes, to prevent activation of facultative adult liver stem cells (oval cells), and to inhibit tumor formation. Phosphorylates NKX2-1.
Product Categories/Family for anti-Stk3 antibody	Cell Biology; Signal transduction
References	Oh, H.J., et al. Curr. Biol. 20(5):416-422(2010) Lu, L., et al. Proc. Natl. Acad. Sci. U.S.A. 107(4):1437-1442(2010) Song, H., et al. Proc. Natl. Acad. Sci. U.S.A. 107(4):1431-1436(2010) Zhou, D., et al. Cancer Cell 16(5):425-438(2009) Choi, J., et al. PLoS ONE 4 (11), E8011 (2009) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	118150664
NCBI GeneID	56274
NCBI Accession #	NP_062609.2
NCBI GenBank Nucleotide #	NM_019635.2
UniProt Accession #	Q9JI10; Q60877; Q80UG4; Q8CI58
Molecular Weight	56855
NCBI Official Full Name	serine/threonine-protein kinase 3
NCBI Official Synonym Full Names	serine/threonine kinase 3
NCBI Official Symbol	Stk3
NCBI Official Synonym Symbols	MST; Mst2; Mst3; Ste20; mess1; 0610042I06Rik
NCBI Protein Information	serine/threonine-protein kinase 3

UniProt Protein Name	Serine/threonine-protein kinase 3
UniProt Gene Name	Stk3
UniProt Synonym Gene Names	Mess1; Mst2; MST-2; MST2/N; MST2/C
UniProt Entry Name	STK3_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/stk3-antibody-western-blot-elisa/285450>