

Rabbit STK11 (LKB1) Polyclonal Antibody | anti-STK11 antibody

STK11 (LKB1) Antibody (N-term I29)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288397	Rabbit	Human (Predicted Reactivity: Chicken, Mouse, Rat, Xenopus)	Immunofluorescence, Flow Cytometry, Functional Assay, Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

STK11 (LKB1); Polyclonal Antibody; STK11 (LKB1) Antibody (N-term I29); Serine/threonine-protein kinase STK11; Liver kinase B1; LKB1; hLKB1; Renal carcinoma antigen NY-REN-19; STK11; PJS; anti-STK11 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Chicken, Mouse, Rat, Xenopus)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This STK11 (LKB1) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 14-44 amino acids from the N-terminal region of human STK11 (LKB1).
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	14-44
Sequence Length	404
Applicable Applications for anti-STK11 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry), WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
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



IF (Immunofluorescence)

Confocal immunofluorescent analysis of STK11 (LKB1) Antibody (N-term I29) with ZR-75-1 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).



FCM/FACS (Flow Cytometry)

STK11 (LKB1) Antibody (N-term I29) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



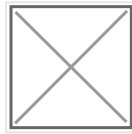
WB (Western Blot)

STK11 Antibody (I29) western blot analysis in T47D cell line lysates (35ug/lane). This demonstrates the STK11 antibody detected the STK11 protein (arrow).



WB (Western Blot)

Western blot analysis of STK11 (arrow) using rabbit polyclonal STK11 Antibody. 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the STK11 gene (Lane 2) (Origene Technologies).



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

ADDITIONAL INFORMATION

Related Product Information for anti-STK11 antibody	STK11, is a member of the serine/threonine kinase family, regulates cell polarity and functions as a tumor suppressor. Mutations in STK11 have been associated with Peutz-Jeghers syndrome, an autosomal dominant disorder characterized by the growth of polyps in the gastrointestinal tract, pigmented macules on the skin and mouth, and other neoplasms.
Product Categories/Family for anti-STK11 antibody	Cancer ; Cell Biology ; Metabolism ; Neuroscience ; Amyotrophic Lateral Sclerosis (ALS)
References	Mart, et al., J. Biotechnol. 115(1):23-34 (2005). Shaw, R.J., et al., Proc. Natl. Acad. Sci. U.S.A. 101(10):3329-3335 (2004). Suzuki, A., et al., Biochem. Biophys. Res. Commun. 324(3):986-992 (2004). Hearle, N., et al., Genes Chromosomes Cancer 41(2):163-169 (2004). Corradetti, M.N., et al., Genes Dev. 18(13):1533-1538 (2004).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507271
NCBI GeneID	6794
NCBI Accession #	NP_000446.1
NCBI GenBank Nucleotide #	NM_000455.4
UniProt Accession #	Q15831 ; B2RBX7 ; E7EW76
Molecular Weight	48636
NCBI Official Full Name	serine/threonine-protein kinase STK11
NCBI Official Synonym Full Names	serine/threonine kinase 11
NCBI Official Symbol	STK11
NCBI Official Synonym Symbols	PJS; LKB1; hLKB1
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; PJS; LKB1; hLKB1
UniProt Entry Name	STK11_HUMAN

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/stk11-1kb1-antibody-immunofluorescence-flow-cytometry-western-blot-immunohistochemistry-elisa/288397>