

LKB1 Antibody | anti-LKB1 antibody

LKB1 (Phospho-Ser428) Antibody

CATALOG # AAA111168	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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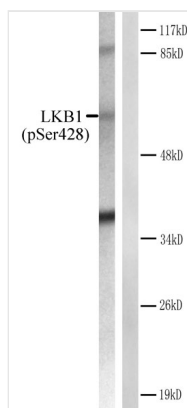
PRODUCT SYNONYMS

LKB1; LKB1 (Phospho-Ser428) Antibody; anti-LKB1 antibody

PRODUCT SPECIFICATIONS

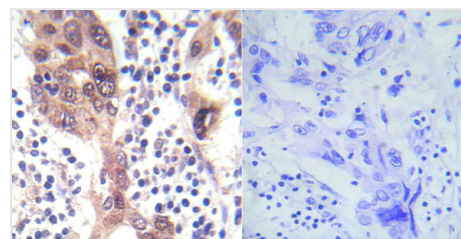
Reactivity	Human, Mouse, Rat
Specificity	LKB1 (phospho-Ser428) antibody detects endogenous levels of LKB1 only when phosphorylated at serine 428.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	433
Applicable Applications for anti-LKB1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human LKB1 around the phosphorylation site of serine 428 (R-L-SP-A-C).
Preparation and Storage	Store at -20 degree C for 1 year

IMAGES



WB (Western Blot)

Western blot analysis of extracts from CV-1 cells treated with forsklin. Left: Using LKB1 (phospho-Ser428) antibody. Right: Using the same antibody preincubated with synthesized peptide.



IHC (Immunohistochemistry)

P-Peptide+ Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using LKB1 (phospho-Ser428) antibody.

ADDITIONAL INFORMATION

Product Categories/Family for anti-LKB1 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
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References	Shaw, R.J. et al. (2004) Proc. Natl. Acad. Sci. USA 101, 3329-3335. Woods, A. et al. (2003) Curr. Biol. 13, 2004-2008. Karuman P, et al. (2001) Mol Cell 7, 1307-19 Nezu, J. et al. (1999) Biochem. Biophys. Res. Commun. 261, 750-755 Hemminki, A. et al. (1998) Nature 391, 184-187.
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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	45,387 Da
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

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.