

## anti-Human LKB1 Antibody | anti-LKB1 antibody

LKB1 (Ab-428) Antibody

|                               |                            |                                                                  |
|-------------------------------|----------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA110999</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry, Western Blot</b> |
|-------------------------------|----------------------------|------------------------------------------------------------------|

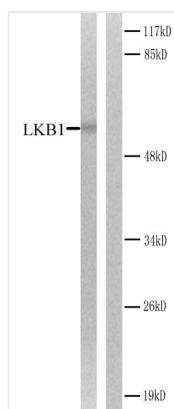
### PRODUCT SYNONYMS

LKB1; LKB1 (Ab-428) Antibody; anti-LKB1 antibody

### PRODUCT SPECIFICATIONS

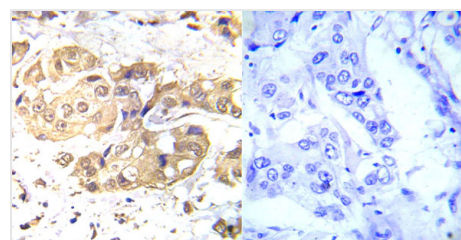
|                                                |                                                                                                                                          |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                     | Human                                                                                                                                    |
| Specificity                                    | LKB1 (Ab-428) antibody detects endogenous levels of total LKB1 protein.                                                                  |
| Purity/Purification                            | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                     |
| Form/Format                                    | In phosphate buffered saline (without Mg2+ and Ca2+), 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 non-phosphopeptide derived from human LKB1 around the phosphorylation site of serine 428. |
| 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 forskolin. Left: Using LKB1 (Ab-428) antibody. Right: Using the same antibody preincubated with synthesized peptide.



#### IHC (Immunohistochemistry)

Peptide-+ Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using LKB1 (Ab-428) 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 |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|            |                                                                                                                                                                                                                                                                                        |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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.