



## LKB1 (Phospho-Ser428) Antibody

E012046

**Catalog Number:** E012046-1, E012046-2

**Amount:** 50µg/50µl, 100µg/100µl

**Form of Antibody:** Rabbit IgG in phosphate buffered saline (without  $Mg^{2+}$  and  $Ca^{2+}$ ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Storage/Stability:** Store at -20°C/1 year

**Immunogen:** The antiserum was produced against synthesized phosphopeptide derived from human LKB1 around the phosphorylation site of serine 428 (R-L-S<sup>P</sup>-A-C).

**Purification:** The antibody was 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.

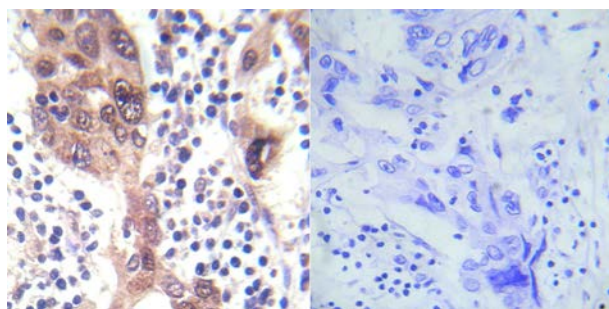
**Specificity/Sensitivity:** LKB1 (phospho-Ser428) antibody detects endogenous levels of LKB1 only when phosphorylated at serine 428.

**Reactivity:** Human, mouse, rat

**Applications:** WB: 1:500~1:1000 IHC: 1:50~1:100 ELISA: 1:4000

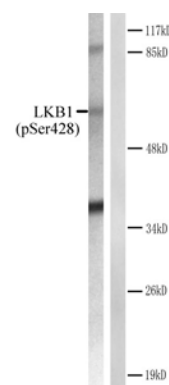
**Swiss-Prot No. :** Q15831

**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



P-Peptide                      -                      +

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using LKB1 (phospho-Ser428) antibody (E012046).



Western blot analysis of extracts from CV-1 cells treated with forskolin. Left: Using LKB1 (phospho-Ser428) antibody (E012046). Right: Using the same antibody preincubated with synthesized peptide.

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