

**bs-3249R****[ Primary Antibody ]****phospho-LKB1 (Ser428) Rabbit pAb**

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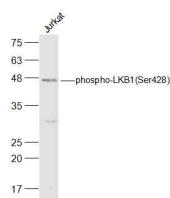
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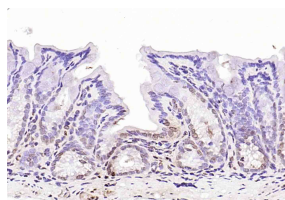
**DATASHEET****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 6794**SWISS:** Q15831**Target:** LKB1 (Ser428)**Immunogen:** KLH conjugated Synthesised phosphopeptide derived from human LKB1 around the phosphorylation site of Ser428: RL(p-S)AC.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

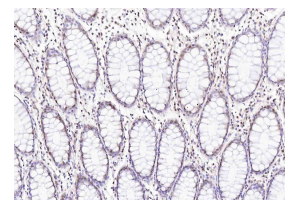
**Background:** This gene, which encodes a member of the serine/threonine kinase family, regulates cell polarity and functions as a tumor suppressor. Mutations in this gene have been associated with Peutz-Jeghers syndrome, an autosomal dominant disorder characterized by the growth of polyps in the gastrointestinal tract, pigmented macules on the skin and mouth, and other neoplasms. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized. [provided by RefSeq, Jul 2008].

**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (1ug/Test)**Reactivity:** Human, Mouse, Rat  
(predicted: Cow, Dog, Horse)**Predicted MW.:** 48 kDa**Subcellular Location:** Cell membrane ,Cytoplasm ,Nucleus**VALIDATION IMAGES**

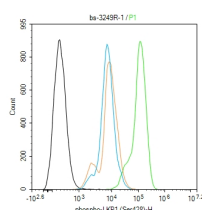
Sample: Jurkat(Human) Cell Lysate at 30 ug  
Primary: Anti-phospho-LKB1(Ser428) (bs-3249R)  
at 1/500 dilution Secondary: IRDye800CW Goat  
Anti-Rabbit IgG at 1/20000 dilution Predicted  
band size: 48 kD Observed band size: 48 kD



Paraformaldehyde-fixed, paraffin embedded  
(mouse colon); Antigen retrieval by boiling in  
sodium citrate buffer (pH6.0) for 15min; Block  
endogenous peroxidase by 3% hydrogen  
peroxide for 20 minutes; Blocking buffer (normal  
goat serum) at 37°C for 30min; Incubation with  
(phospho-LKB1 (Ser428) ) Polyclonal Antibody,  
Unconjugated (bs-3249R) at 1:200 overnight at  
4°C, followed by operating according to SP  
Kit(Rabbit) (sp-0023) instructionsand DAB  
staining.



Paraformaldehyde-fixed, paraffin embedded  
(human colon); Antigen retrieval by boiling in  
sodium citrate buffer (pH6.0) for 15min; Block  
endogenous peroxidase by 3% hydrogen  
peroxide for 20 minutes; Blocking buffer (normal  
goat serum) at 37°C for 30min; Incubation with  
(phospho-LKB1 (Ser428) ) Polyclonal Antibody,  
Unconjugated (bs-3249R) at 1:200 overnight at  
4°C, followed by operating according to SP  
Kit(Rabbit) (sp-0023) instructionsand DAB  
staining.



Blank control (black line) :HepG2. Primary  
Antibody (green line): Rabbit Anti-phospho-LKB1  
(Ser428) antibody (bs-3249R) Dilution:1ug/Test;  
Secondary Antibody (white blue line) : Goat  
anti-rabbit IgG-AF488 Dilution: 0.5ug/Test.

**Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Isotype control (orange line) : Normal Rabbit IgG Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

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## — SELECTED CITATIONS —

- **[IF=7.7]** Huijie Yang. et al. Black soybean peptide mediates the AMPK/SIRT1/NF-κB signaling pathway to alleviate Alzheimer's-related neuroinflammation in lead-exposed HT22 cells. INT J BIOL MACROMOL. 2024 Dec;;138404 WB ;Mouse. 39643189
- **[IF=5.6]** Yanfei Shi. et al. Naringenin promotes the expression of oxidized myofibers via the PKA signaling pathway in C57BL/6J mice and C2C12 cells. J FUNCT FOODS. 2023 Dec;111:105902 WB ;Mouse. 10.1016/j.jff.2023.105902
- **[IF=5.4]** Chunqiu Fang. et al. Tiaogan Jiejiu Tongluo Formula attenuated alcohol-induced chronic liver injury by regulating lipid metabolism in rats. J ETHNOPHARMACOL. 2023 Dec;317:116838 WB ;Rat. 37355081
- **[IF=2.136]** Yang WR et al. Role of AMPK in the expression of tight junction proteins in heat-treated porcine Sertoli cells. Theriogenology. 2018 Nov;121:42-52. WB ;piglet. 30125827