

LKB1 Rabbit pAb

Catalog Number: bs-3948R

Target Protein: LKB1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (2ug/Test)

Reactivity: Human, Mouse, Rat (predicted:Rabbit, Sheep, Cow, Chicken, Dog, Horse)

Predicted MW: 48 kDa

Entrez Gene: 6794

Swiss Prot: Q15831

Source: KLH conjugated synthetic peptide derived from human LKB1: 21-120/433.

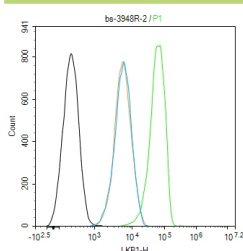
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

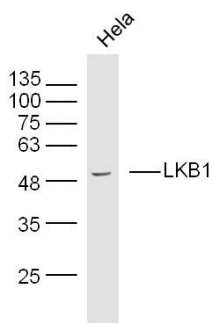
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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].

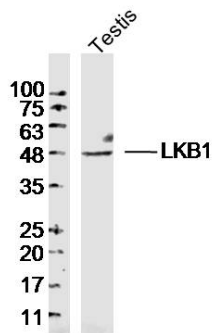
VALIDATION IMAGES



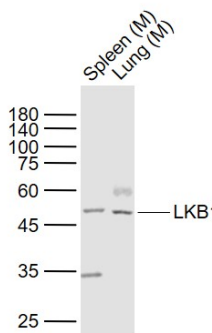
Blank control (black line) :Hela. Primary Antibody (green line): Rabbit Anti-LKB1 antibody (bs-3948R) Dilution:2ug/Test; Secondary Antibody (white blue line) : Goat anti-rabbit IgG-AF488 Dilution: 0.5ug/Test. Isotype control (orange line) : Normal Rabbit IgG Protocol The cells were fixed with 4% PFA (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.



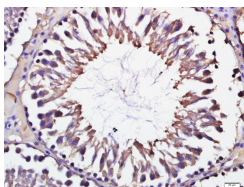
Sample: HeLa Cell (Human) Lysate at 40 ug Primary: Anti-LKB1 (bs-3948R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 48 kD Observed band size: 50 kD



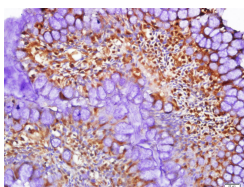
Sample: Testis (Mouse) Lysate at 40 ug Primary: Anti-LKB1 (bs-3948R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 48 kD Observed band size: 48 kD



Sample: Lane 1: Spleen (Mouse) Lysate at 40 ug Lane 2: Lung (Mouse) Lysate at 40 ug Primary: Anti-LKB1 (bs-3948R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 50 kD Observed band size: 48 kD



Paraformaldehyde-fixed, paraffin embedded (rat testis); 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; Antibody incubation with (LKB1) Polyclonal Antibody, Unconjugated (bs-3948R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); 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; Antibody incubation with (LKB1) Polyclonal Antibody, Unconjugated (bs-3948R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=7.7] Peiran Sha. et al. Ablation of LKB1 gene changes the lipid profiles of goat intramuscular fat and enhances polyunsaturated fatty acids deposition. INT J BIOL MACROMOL. 2025 Jan;285:138268 WB ; Goat . 39631610

[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=5.23] Zhao, Yong, et al. "Hydrogen Sulfide and/or Ammonia Reduces Spermatozoa Motility through AMPK/AKT Related Pathways."

Scientific Reports 6 (2016): 37884. WB ; ="Pig" . 27883089

[IF=5.4] Chunqiu Fang. et al. Tiaogan Jiejie Tongluo Formula attenuated alcohol-induced chronic liver injury by regulating lipid metabolism in rats. J ETHNOPHARMACOL. 2023 Dec;317:116838 WB ; Rat . 37355081

[IF=5.2] Long Chen. et al. Harnessing the potential of postbiotics derived from Bacillus coagulans: A promising avenue for obesity management via the gut-liver axis. FOOD BIOSCI. 2023 Dec;56:103108 WB ; Mouse . 10.1016/j.fbio.2023.103108