LKB1 (R425) polyclonal antibody

Catalog: BCP01036 Host: Rabbit Reactivity: Human,Rat,Mouse

BackGround:

LKB1 (STK11) is a serine/threonine kinase and tumor suppressor that helps control cell structure, apoptosis and energy homeostasis through regulation of numerous downstream kinases. A cytosolic protein complex comprised of LKB1, putative kinase STRAD, and the MO25 scaffold protein, activates both AMP-activated protein kinase (AMPK) and several AMPK-related kinases. AMPK plays a predominant role as the master regulator of cellular energy homeostasis, controlling downstream effectors that regulate cell growth and apoptosis in response to cellular ATP concentrations. LKB1 appears to be phosphorylated in cells at several sites, including human LKB1 at Ser31/325/428 and Thr189/336/363.

Mutation in the corresponding LKB1 gene causes Peutz-Jeghers syndrome (PJS), an autosomal dominant disorder characterized by benign GI tract polyps and dark skin lesions of the mouth, hands, and feet. A variety of other LKB1 gene mutations have been associated with the formation of sporadic cancers in several tissues.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2.

Molecular Weight:

~ 54 kDa

Swiss-Prot:

Q15831

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:5000~1:10000

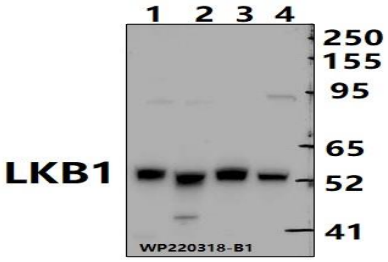
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

LKB1 (R425) polyclonal antibody detects endogenous levels of LKB1 protein.

DATA:



Western blot (WB) analysis of LKB1 (R425) polyclonal antibody at 1:5000 dilution

Lane1:BV2 whole cell lysate(40ug)

Lane2:PC12 whole cell lysate(40ug)

Lane3:K562 whole cell lysate(40ug)

Lane4:THP-1 whole cell lysate(40ug)

Note:

For research use only, not for use in diagnostic procedure.

Complex biotech, co. Ltd.
Add：No 9, weidi road Qixia District Nanjing, 210046, P. R. China.