

## ALPK1 polyclonal antibody

Catalog: BS61558

Host: Rabbit

Reactivity: Human

### BackGround:

The phosphorylation and dephosphorylation of proteins on serine and threonine residues is an essential means of regulating a broad range of cellular functions in eukaryotes, including cell division, homeostasis and apoptosis.  $\alpha$ -protein kinase 1, also known as ALPK1, LAK or KIAA1527, is a 1,244 amino acid protein that contains one  $\alpha$ -type protein kinase domain and belongs to the protein kinase superfamily. Expressed at high levels in liver,  $\alpha$ -protein kinase 1 recognizes and phosphorylates specific phosphorylation sites that are surrounded by peptides which have an  $\alpha$ -helical conformation. One of the targets of  $\alpha$ -protein kinase 1 is Myosin I and, via its ability to phosphorylate Myosin I,  $\alpha$ -protein kinase 1 is thought to play an important role in the apical trafficking of vesicles carrying raft-associated sucrase-isomaltase (SI).

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

### Molecular Weight:

~ 139 kDa

### Swiss-Prot:

Q96QP1

### 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: 1:500~1:1000

### Storage&Stability:

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

### Specificity:

ALPK1 polyclonal antibody detects endogenous levels of ALPK1 protein.

### DATA:



Western blot (WB) analysis of ALPK1 polyclonal antibody at 1:500 dilution

Lane1:L02 whole cell lysate(40ug)

Lane2:HCT116 whole cell lysate(40ug)

Lane3:HCC827 whole cell lysate(40ug)

### Note:

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

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