

ULK1 polyclonal antibody

Catalog: BS91404

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Serine/threonine-protein kinase involved in autophagy in response to starvation. Acts upstream of phosphatidylinositol 3-kinase PIK3C3 to regulate the formation of autophagophores, the precursors of autophagosomes. Part of regulatory feedback loops in autophagy: acts both as a downstream effector and negative regulator of mammalian target of rapamycin complex 1 (mTORC1) via interaction with RPTOR. Activated via phosphorylation by AMPK and also acts as a regulator of AMPK by mediating phosphorylation of AMPK subunits PRKAA1, PRKAB2 and PRKAG1, leading to negatively regulate AMPK activity. May phosphorylate ATG13/KIAA0652 and RPTOR; however such data need additional evidences. Plays a role early in neuronal differentiation and is required for granule cell axon formation. May also phosphorylate SESN2 and SQSTM1 to regulate autophagy.

Product:

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

Molecular Weight:

~ 150 kDa

Swiss-Prot:

O75385

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:1:500-1:1,000

IHC:1:50-1:200

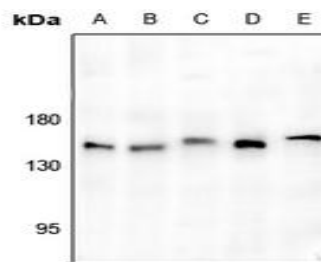
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

Specificity:

ULK1 polyclonal antibody detects endogenous levels of ULK1 protein.

DATA:



Western blot (WB) analysis of ULK1 polyclonal antibody at 1:500 dilution

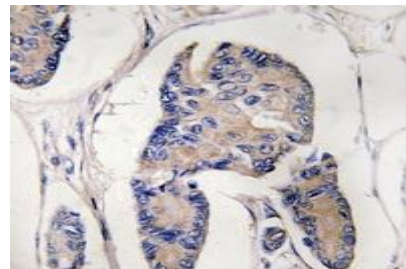
LaneA:A549 whole cell lysate(40ug)

LaneB:HEK293T whole cell lysate(40ug)

LaneC:AML-12 whole cell lysate(40ug)

LaneD:C6 whole cell lysate(40ug)

LaneE:Panc1 whole cell lysate(40ug)



Immunohistochemical analysis of ULK1 staining in human breast cancer formalin fixed paraffin embedded tissue section.

Note:

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

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