

ULK1 (S757) polyclonal antibody

Catalog: AP1004

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

ULK1 and ULK2 (for UNC-51-like kinase) encode similar amino-terminal serine/threonine kinase domains, a proline/serine-rich (PS) domain, and a species conserved carboxyl-terminal domain. Both share homology with the UNC-51 kinase from *Caenorhabditis elegans* and the APG1 kinase in yeast, which are involved in axonal extension and growth, and autophagy, respectively. ULK1 and ULK2 are thought to auto-phosphorylate the PS domain in vitro, and the significant homology among vertebrates suggest that ULK1 and ULK2 are involved in the regulation of fundamental biological processes.

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: 1:500~1:1000

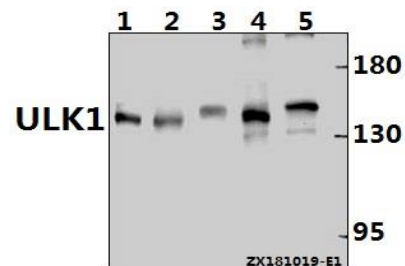
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

Specificity:

ULK1 (S317) polyclonal antibody detects endogenous levels of ULK1 protein.

DATA:

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

Lane1:A549 whole cell lysate(40ug)

Lane2:HEK293 whole cell lysate(40ug)

Lane3:AML-12 whole cell lysate(40ug)

Lane4:C6 whole cell lysate(30ug)

Lane5:Panc1 whole cell lysate(40ug)

Western blot analysis of extracts from HEK293T (control) or ULK1

shRNA # PPL00952-3a. ULK1 was detected using ULK1 pAb

#AP1005. The ULK1 Antibody confirms silencing of ULK1 expression.

Note:

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

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