ULK1 (phospho-Ser636) polyclonal antibody

Catalog: AP4007 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:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

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

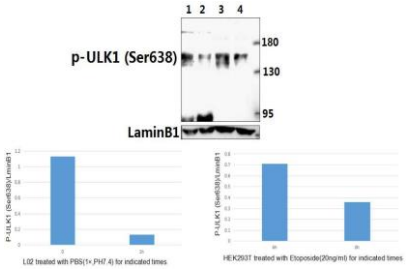
Storage&Stability:

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

Specificity:

ULK1 (phospho-Ser638) polyclonal antibody detects endogenous levels of ULK1 protein only when phosphorylated at Ser638.

DATA:



Western blot (WB) analysis of ULK1 (Phospho-Ser638) polyclonal antibody at 1:500 dilution

Lane1:L02 whole cell lysate

Lane2:L02 treated with PBS(1×PBS,PH7.4) for 1 hour whole cell lysate

Lane3:HEK293T treated with Etoposide(20ng/ml) for 6 hours whole cell lysate

Lane4:HEK293T whole cell lysate

Note:

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

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