

## ULK1 (phospho-Ser555) polyclonal antibody

Catalog: BCP01699

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:

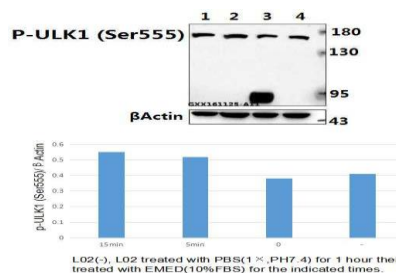
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

### Specificity:

ULK1 (phospho-Ser555) polyclonal antibody detects endogenous levels of ULK1 protein only when phosphorylated at Ser555.

### DATA:



Western blot (WB) analysis of PIK3C3/VPS34 (Phospho-Ser249) polyclonal antibody at 1:500 dilution

Lane1: LO2 treated with PBS(1 ×,PH7.4) for 1 hour then treated with DMEM(10%FBS) for 15 minutes whole cell lysate

Lane2: LO2 treated with PBS(1 ×,PH7.4) for 1 hour then treated with DMEM(10%FBS) for 5 minutes whole cell lysate

Lane3: LO2 treated with PBS(1 ×,PH7.4) for 1 hour whole cell lysate

Lane4: LO2 whole cell lysate

### Note:

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