

Product datasheet for **TA392694S**

ULK1 Rabbit Polyclonal Antibody

Product data:

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| Product Type: | Primary Antibodies |
| Applications: | WB |
| Recommended Dilution: | WB: 1:500~1:1000 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | Synthetic phosphopeptide derived from human ULK1 around the phosphorylation site of Ser555. |
| Specificity: | ULK1 (phospho-Ser555) polyclonal antibody detects endogenous levels of ULK1 protein only when phosphorylated at Ser555. |
| Formulation: | Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2 |
| Concentration: | 1mg/ml |
| Conjugation: | Unconjugated |
| Storage: | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles. |
| Stability: | 1 year |
| Predicted Protein Size: | ~ 150 kDa |
| Gene Name: | unc-51 like autophagy activating kinase 1 |
| Database Link: | Entrez Gene 8408 Human O75385 |
| 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 <i>Caenorhabditis elegans</i> 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. |

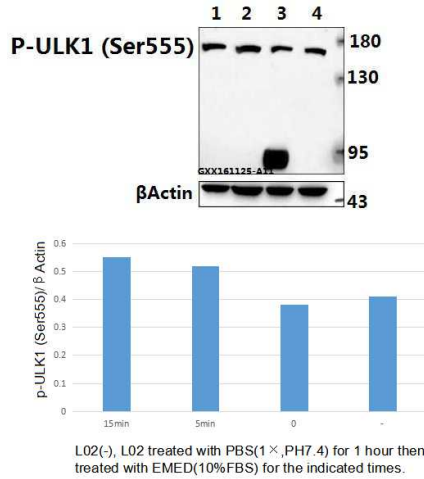


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Synonyms: ATG1; Autophagy-related protein 1 homolog; KIAA0722; Serine/threonine-protein kinase ULK1; ULK1; Unc-51-like kinase 1

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

Product images:



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