

ULK1 (Phospho Ser638) rabbit pAb

| | |
|------------------------------|--|
| Catalog No : | YP1543 |
| Reactivity : | Human;Mouse |
| Applications : | WB |
| Target : | ULK1 |
| Fields : | >>Mitophagy - animal;>>Autophagy - animal;>>mTOR signaling pathway;>>AMPK signaling pathway;>>Longevity regulating pathway;>>Alzheimer disease;>>Amyotrophic lateral sclerosis;>>Huntington disease;>>Spinocerebellar ataxia;>>Pathways of neurodegeneration - multiple diseases |
| Gene Name : | ULK1 KIAA0722 |
| Protein Name : | ULK1 (Ser638) |
| Human Gene Id : | 8408 |
| Human Swiss Prot No : | O75385 |
| Mouse Gene Id : | 22241 |
| Mouse Swiss Prot No : | O70405 |
| Immunogen : | Synthesized phospho peptide around human ULK1 (Ser638) |
| Specificity : | This antibody detects endogenous levels of Human Mouse ULK1 (phospho-Ser638) |
| Formulation : | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source : | Polyclonal, Rabbit,IgG |
| Dilution : | WB 1:1000-2000 |
| Purification : | The antibody was affinity-purified from rabbit serum by affinity-chromatography |

using specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 115kD

Cell Pathway : Regulation of autophagy;mTOR;

Function : catalytic activity:ATP + a protein = ADP + a phosphoprotein.,function:Involved in axon growth. Plays an essential role in neurite extension of cerebellar granule cells.,similarity:Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. APG1/unc-51/ULK1 subfamily.,similarity:Contains 1 protein kinase domain.,subunit:Interacts with GABARAP and GABARAPL2.,tissue specificity:Ubiquitously expressed. Detected in the following adult tissues: skeletal muscle, heart, pancreas, brain, placenta, liver, kidney, and lung.,

Subcellular Location : Cytoplasm, cytosol . Preautophagosomal structure . Under starvation conditions, is localized to punctate structures primarily representing the isolation membrane that sequesters a portion of the cytoplasm resulting in the formation of an autophagosome. .

Expression : Ubiquitously expressed. Detected in the following adult tissues: skeletal muscle, heart, pancreas, brain, placenta, liver, kidney, and lung.

Products Images

Western Blot analysis of various cell lysis(provided by our customer). Primary Antibody was diluted at 1:1000. Secondary antibody(catalog#:RS23920 was diluted at 1:10000

