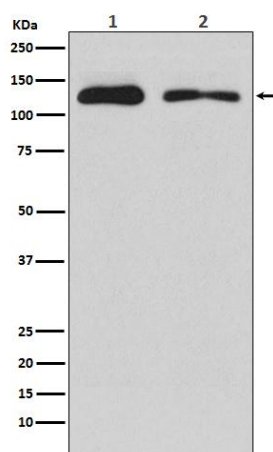


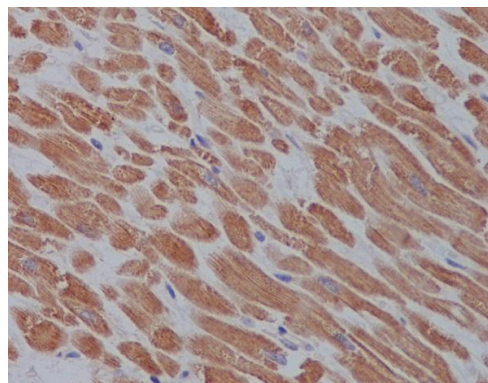


ULK1 Rabbit pAb

E220151**Catalog Number:**E220151**Amount:**100ul**Product Name:**ULK1 Rabbit pAb**Gene ID:**8408**SwissProt ID:**O75385**Gene Name:**ULK1**Alternative Names:**ULK1; KIAA0722; Serine/threonine-protein kinase ULK1; Autophagy-related protein 1 homolog; ATG1; hATG1; Unc-51-like kinase 1**Background:**Act as a convergence point for multiple signals that control autophagy, and can bind to several autophagy-related (Atg) proteins, regulating phosphorylation states and protein trafficking. AMPK, activated during low nutrient conditions, directly phosphorylates ULK1 at multiple sites including Ser317, Ser555, and Ser777. Conversely, mTOR, which is a regulator of cell growth and an inhibitor of autophagy, phosphorylates ULK1 at Ser757 and disrupts the interaction between ULK1 and AMPK.**Research Field:**Signal Transduction**Product Categories:**Primary antibody**Host:**Rabbit**Reactivity:**Human,Mouse,Rat**Application:**WB,IHC-P,ICC/IF**Dilution Ratio:**WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200**Molecular Weight:**Calculated MW: 113 kDa; Observed MW: 120 kDa**Clonality:**Polyclonal Antibody**Isotype:** IgG**Immunogen:**A synthesized peptide derived from human ULK1**Purification:**Affinity Chromatography**Conjugation:**Unconjugated**Modification:**Unmodified**Form:**Liquid**Buffer System:**Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.**Storage:**Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.**For Research Use Only**



Western blot analysis of SMYD1 in rat skeletal muscle lysates using SMYD1 antibody.



Immunohistochemistry analysis of paraffin-embedded Human heart using ULK1 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.