



ULK1 (phospho-Ser638) rabbit pAb

Catalog No	YP-Ab-14626
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	ULK1 KIAA0722
Immunogen	Synthesized phosho 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
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:1000-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ATG1;Autophagy-related protein 1 homolog;EC:2.7.11.1;hATG1;KIAA0722;ULK1;ULK1 KIAA0722;ULK1 (Ser638);Serine/threonine-protein kinase ULK1 (EC 2.7.11.1) (Autophagy-related protein 1 homolog) (ATG1) (hATG1) (Unc-51-like kinase 1)
Observed Band	115kD
Calculated Molecular Weight	115kD
Cell Pathway	Cytoplasm, cytosol . Preautophagosomal structure . Under starvation conditions, is localized to puncate structures primarily representing the isolation membrane that sequesters a portion of the cytoplasm resulting in the formation of an autophagosome. .
Tissue Specificity	Ubiquitously expressed. Detected in the following adult tissues: skeletal muscle, heart, pancreas, brain, placenta, liver, kidney, and lung.
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.,

Background

matters needing attention

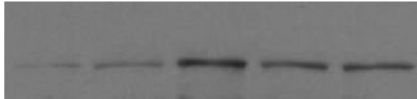
Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

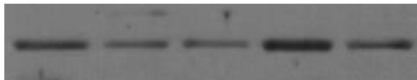
ULK1 -S555



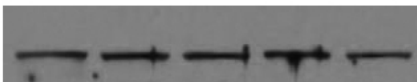
ULK1-S638



ULK1 -S751



ULK1



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