Datasheet for ABIN955448

anti-ULK1 antibody

3 Images

Go to Product page

Overview

Quantity:	0.4 mL
Target:	ULK1
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ULK1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide selected from Human Unc-51-like kinase 1 (ULK1) Genename: ULK1
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human and Mouse Unc-51-like kinase 1 (ULK1).
Purification:	Affinity Chromatography on Proteinn A

Target Details

Target:	ULK1
Alternative Name:	Unc-51-Like Kinase 1 (ULK1) (ULK1 Products)
Background:	ULK1 is involved in autophagy. It is required for autophagosome formation (By similarity). Target of the TOR kinase signaling pathway that regulates autophagy through the control of

Target Details

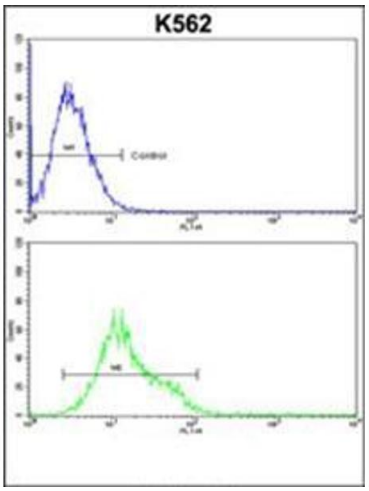
	phosphorylation status of ATG13/KIAA0652 and ULK1, and the regulation of the ATG13-ULK1-RB1CC1 complex (By similarity). Phosphorylates ATG13/KIAA0652. It is involved in axon growth (By similarity) and plays an essential role in neurite extension of cerebellar granule cells (By similarity).Synonyms: KIAA0722, Serine/threonine-protein kinase ULK1
Molecular Weight:	112601 Da
Gene ID:	8408
NCBI Accession:	NP_003556
Pathways:	Regulation of Cell Size, Autophagy

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

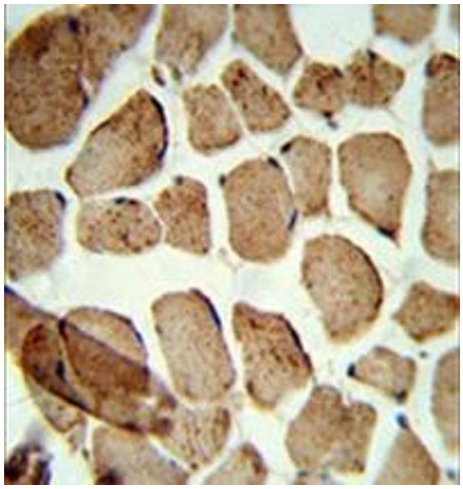
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 0.09 % Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



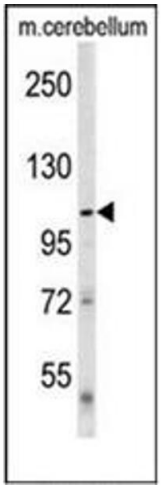
Flow Cytometry

Image 1. Flow cytometric analysis of k562 cells using Denatured ATG1 Antibody (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin-embedded human skeletal muscle reacted with Denatured ATG1 Antibody , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.



Western Blotting

Image 3. Western blot analysis of Denatured ATG1 Antibody in mouse cerebellum tissue lysates (35ug/lane). ATG1 (arrow) was detected using the purified Pab.