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Anti-ULK2 Antibody (C-Terminus)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17340

Specification

Anti-ULK2 Antibody (C-Terminus) - Product Information

Application	**WB, IHC-P**
Primary Accession	Q8IYT8
Predicted	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**112694**

Anti-ULK2 Antibody (C-Terminus) - Additional Information

Gene ID 9706

Alias Symbol	**ULK2**

Other Names
ULK2, ATG1B, KIAA0623, Unc-51-like kinase 2, Unc51.2

Target/Specificity
Recognizes endogenous levels of ULK2 protein.

Reconstitution & Storage
PBS, pH 7.3, 0.01% sodium azide, 30% glycerol. Store at -20°C. Aliquot to avoid freeze/thaw cycles.

Precautions
Anti-ULK2 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-ULK2 Antibody (C-Terminus) - Protein Information

Name ULK2

Synonyms KIAA0623

Function
Serine/threonine-protein kinase involved in autophagy in response to starvation. Acts upstream of phosphatidylinositol 3-kinase PIK3C3 to regulate the formation of autophagophores, the precursors of autophagosomes. Part of regulatory feedback loops in autophagy: acts both as a downstream effector and a negative regulator of mammalian target of rapamycin complex 1 (mTORC1) via interaction with RPTOR. Activated via phosphorylation by AMPK, also acts as a negative regulator of AMPK through phosphorylation of the AMPK subunits PRKAA1, PRKAB2 and PRKAG1. May phosphorylate ATG13/KIAA0652, FRS2, FRS3 and RPTOR; however such data need additional evidences. Not involved in ammonia-induced autophagy or in autophagic response of cerebellar granule neurons (CGN) to low potassium concentration. Plays a role early in neuronal

differentiation and is required for granule cell axon formation: may govern axon formation via Ras-like GTPase signaling and through regulation of the Rab5-mediated endocytic pathways within developing axons.

Cellular Location
Cytoplasmic vesicle membrane; Peripheral membrane protein. Note=Localizes to pre-autophagosomal membrane

Anti-ULK2 Antibody (C-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-ULK2 Antibody (C-Terminus) - Images