Datasheet for ABIN7169212

anti-ULK2 antibody (AA 211-276) (HRP)

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Overview

Quantity:	100 µg
Target:	ULK2
Binding Specificity:	AA 211-276
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ULK2 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Serine/threonine-protein kinase ULK2 protein (211-276AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	ULK2
Alternative Name:	ULK2 (ULK2 Products)
Background:	Background: Serine/threonine-protein kinase involved in autophagy in response to starvation. Acts upstream of phosphatidylinositol 3-kinase PIK3C3 to regulate the formation of

Target Details

	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. Aliases: ATG1B antibody, KIAA0623 antibody, Serine/threonine protein kinase ULK2 antibody, Serine/threonine-protein kinase ULK2 antibody, ULK2 antibody, ULK2_HUMAN antibody, Unc 51 (C. elegans) like kinase 2 antibody, Unc 51 like autophagy activating kinase 2 antibody, Unc 51 like kinase 2 antibody, Unc-51-like kinase 2 antibody, Unc51.2 antibody
UniProt:	Q8IYT8
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
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.