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ULK2 Antibody (monoclonal) (M10)

Mouse monoclonal antibody raised against a partial recombinant ULK2.
Catalog # AT4465a

Product Information

Application	WB, E
Primary Accession	Q8IYT8
Other Accession	BC034988
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	5E5
Calculated MW	112694

Additional Information

Gene ID	9706
Other Names	Serine/threonine-protein kinase ULK2, Unc-51-like kinase 2, ULK2, KIAA0623
Target/Specificity	ULK2 (AAH34988, 743 a.a. ~ 843 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	ULK2 Antibody (monoclonal) (M10) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

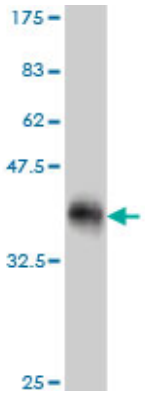
This gene encodes a protein that is similar to a serine/threonine kinase in C. elegans which is involved in axonal elongation. The structure of this protein is similar to the C. elegans protein in that both proteins have an N-terminal kinase domain, a central proline/serine rich (PS) domain, and a C-terminal (C) domain. The gene is located within the Smith-Magenis syndrome region on chromosome 17. Alternatively spliced transcript variants encoding the same protein have been identified.

References

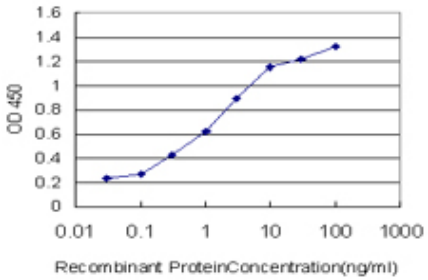
Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.ULK-Atg13-FIP200 complexes mediate mTOR

signaling to the autophagy machinery. Jung CH, et al. Mol Biol Cell, 2009 Apr. PMID 19225151.Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348.Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560.A human protein-protein interaction network: a resource for annotating the proteome. Stelzl U, et al. Cell, 2005 Sep 23. PMID 16169070.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.52 KDa) .



Detection limit for recombinant GST tagged ULK2 is approximately 0.03ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.