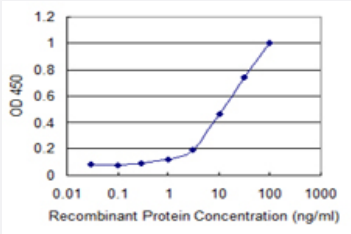
ULK2 monoclonal antibody (M05), clone 2A12

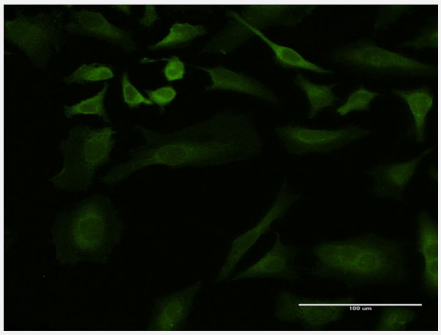
Catalog # H00009706-M05 Size 100 ug

Applications



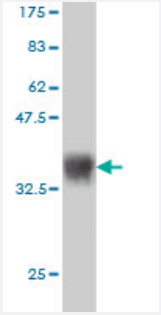
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ULK2 is 0.3 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to ULK2 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.52 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant ULK2.

Immunogen	ULK2 (AAH34988, 743 a.a. ~ 843 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	FLRTRTTSVGPSNSGGSLCAMSGRVCVGSPPGPGFGSSPPGAEAAPSLRYVPYGASPPSLEGLI TFEAPELPEETLMEREHTDTLRHLNVMLMFTECVLDL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (93); Rat (93)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.52 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

  Protocol Download

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged ULK2 is 0.3 ng/ml as a capture antibody.

  Protocol Download

- ELISA

- Immunofluorescence

  Immunofluorescence of monoclonal antibody to ULK2 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — ULK2

Entrez GeneID	9706
GeneBank Accession#	BC034988

Protein Accession#	AAH34988
Gene Name	ULK2
Gene Alias	KIAA0623, Unc51.2
Gene Description	unc-51-like kinase 2 (C. elegans)
Omim ID	608650
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq
Other Designations	OTTHUMP00000065847|unc-51-like kinase 2

Pathway

- mTOR signaling pathway
- Regulation of autophagy

Disease

- Parkinson disease
- Tobacco Use Disorder