

For Research Use Only

ULK1 Polyclonal antibody

Catalog Number: 29005-1-AP **7 Publications**



Basic Information

Catalog Number: 29005-1-AP	GenBank Accession Number: NM_003565	Purification Method: Antigen affinity purification
Size: 450 µg/ml	GeneID (NCBI): 8408	Recommended Dilutions: WB 1:500-1:1000 IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: O75385	
Isotype: IgG	Full Name: unc-51-like kinase 1 (C. elegans)	
	Observed MW: 130 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : HeLa cells, IF/ICC : HeLa cells,
Cited Applications: WB	
Species Specificity: Human	
Cited Species: human, rat, goat	

Background Information

ULK1, also named as KIAA0722, belongs to the protein kinase superfamily, Ser/Thr protein kinase family and APG1/unc-51/ULK1 subfamily. It is involved in autophagy. ULK1 is required for autophagosome formation. It forms a stable complex with Atg13 and focal adhesion kinase (FAK) family interacting protein of 200 kDa (FIP 200) (PMID:21460634). ULK1 phosphorylates ATG13/KIAA0652. It is involved in axon growth. ULK1 plays an essential role in neurite extension of cerebellar granule cells. ULK1 represents a potential novel prognostic biomarker for HCC patients and may play an important role during the progression of HCC (PMID:23573318).

Notable Publications

Author	Pubmed ID	Journal	Application
Carlos Ayala Torres	39723606	Autophagy	WB
Zhen Xu	39550476	Sci Rep	WB
Fan Ouyang	39494721	Adv Sci (Weinh)	WB

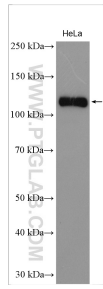
Storage

Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

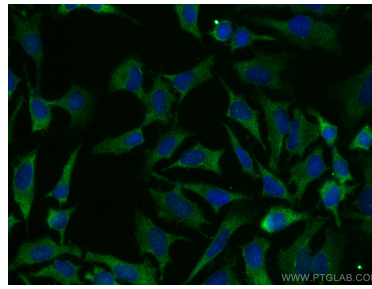
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Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 29005-1-AP (ULK1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using ULK1 antibody (29005-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L).