CoraLite® Plus 488-conjugated ULK1 Polyclonal antibody

Catalog Number:CL488-29005
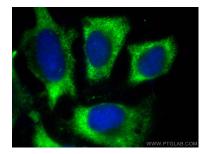

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Basic Information

Catalog Number: CL488-29005	**GenBank Accession Number:** NM_003565	**Purification Method:** Antigen affinity purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	**GeneID (NCBI):** 8408	**Recommended Dilutions:** IF/ICC 1:50-1:500
Source: Rabbit	**UNIPROT ID:** O75385	**Excitation/Emission maxima wavelengths:** 493 nm / 522 nm
Isotype: IgG	**Full Name:** unc-51-like kinase 1 (C. elegans)	
	Observed MW: 130 kDa	

Applications

Tested Applications:
IF/ICC

Species Specificity:
human

Positive Controls:

IF/ICC : HeLa cells,

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).

Storage

Storage:
Store at -20℃. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data

Immunofluorescent analysis of (-20℃ Ethanol) fixed HeLa cells using CoraLite® Plus 488 ULK1 antibody (CL488-29005) at dilution of 1:200.