

For Research Use Only

# CoraLite® Plus 488-conjugated ULK1 Polyclonal antibody

Catalog Number:CL488-29005



## Basic Information

<b>Catalog Number:</b> CL488-29005	<b>GenBank Accession Number:</b> NM_003565	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 8408	<b>GeneID (NCBI):</b> 8408	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O75385	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG	<b>Full Name:</b> unc-51-like kinase 1 (C. elegans)	
	<b>Observed MW:</b> 130 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : HeLa cells,
<b>Species Specificity:</b> human	

## 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°C. 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

For technical support and original validation data for this product please contact:

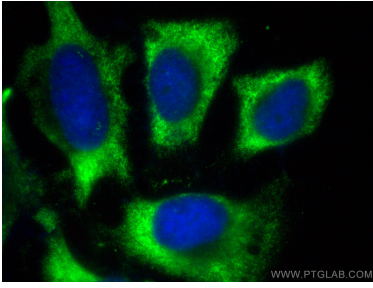
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## Selected Validation Data



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