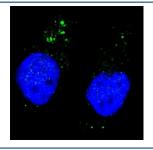


# Phospho-ULK1 Antibody (pS556) (F48759)

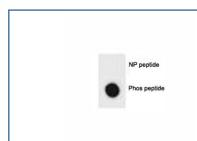
| Catalog No.   | Formulation                                | Size    |
|---------------|--------------------------------------------|---------|
| F48759-0.4ML  | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml  |
| F48759-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

# **Bulk quote request**

| Availability       | 1-3 business days                                              |
|--------------------|----------------------------------------------------------------|
| Species Reactivity | Human                                                          |
| Format             | Antigen affinity purified                                      |
| Clonality          | Polyclonal (rabbit origin)                                     |
| Isotype            | Rabbit Ig                                                      |
| Purity             | Antigen affinity                                               |
| UniProt            | O75385                                                         |
| Applications       | Immunofluorescence : 1:200 Dot Blot : 1:500                    |
| Limitations        | This phospho-ULK1 antibody is available for research use only. |



Fluorescent image of Chloroquine treated U251 cells stained with phospho-ULK1 antibody at 1:200. Immunoreactivity is localized to autophagic vacuoles in the cytoplasm.



Dot blot analysis of phospho-ULK1 antibody. 50ng of phos-peptide or nonphos-peptide per dot were spotted.

## **Description**

Involved in autophagy. Required for autophagosome formation (By similarity). Target of the TOR kinase signaling pathway that regulates autophagy through the control of phosphorylation status of ATG13/KIAA0652 and ULK1, and the regulation of the ATG13-ULK1-RB1CC1 complex (By similarity). Phosphorylates ATG13/KIAA0652. Involved in axon growth (By similarity). Plays an essential role in neurite extension of cerebellar granule cells (By similarity). [UniProt]

# **Application Notes**

Titration of the phospho-ULK1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## **Immunogen**

This phospho-ULK1 antibody was produced from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding pS556 of human ULK1.

### **Storage**

Aliquot the phospho-ULK1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.