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Phospho-ULK1-S555 Rabbit mAb

Catalog No.: AP1495 Recombinant

Basic Information

Observed MW
140-150KD

Calculated MW
113kDa

Category
Primary antibody

Applications
ELISA,WB,IF/ICC

Cross-Reactivity
Human

CloneNo number
ARC63423

Background

Enables identical protein binding activity; protein serine/threonine kinase activity; and small GTPase binding activity. Involved in several processes, including autophagosome assembly; positive regulation by symbiont of host autophagy; and protein phosphorylation. Located in autophagosome; cytosol; and phagophore assembly site membrane. Is extrinsic component of autophagosome membrane; extrinsic component of omegasome membrane; and extrinsic component of phagophore assembly site membrane. Part of Atg1/ULK1 kinase complex.

Recommended Dilutions

WB	1:2000 - 1:9000
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID
8408

Swiss Prot
O75385

Immunogen
A synthetic phosphorylated peptide around S555 of human ULK1 (NP_003556.2).

Synonyms
ATG1; ATG1A; UNC51; hATG1; Unc51.1

Contact

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Product Information

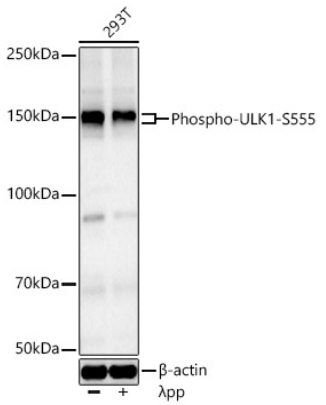
Source
Rabbit

Isotype
IgG

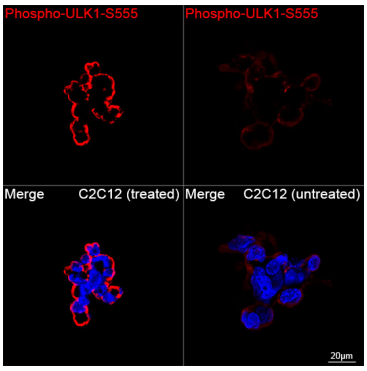
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Western blot analysis of lysates from 293T cells using Phospho-ULK1-S555 Rabbit mAb (AP1495) at 1:8000 dilution incubated overnight at 4℃. 293T cells were treated by λ-PP mixed solution (62.5U) at 30℃ for 1 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45s.



Confocal imaging of C2C12 cells (treated with CA) and C2C12 cells (untreated) using Phospho-ULK1-S555 Rabbit mAb (AP1495, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.