Phospho-ULK1-S555 Rabbit mAb

Catalog No.: AP1495 Recombinant



Basic Information

Observed MW

140-150KD

Calculated MW

113kDa

Category

Primary antibody

Applications

WB,IF/ICC,ELISA

Cross-Reactivity

Human, Mouse

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

ELISA Recommended starting concentration is 1 μg/mL.

Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID8408

Swiss Prot

075385

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

ATG1; ATG1A; UNC51; hATG1; Unc51.1

Contact

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Product Information

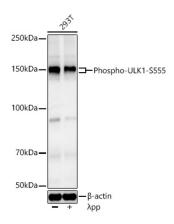
SourceIsotypePurificationRabbitIgGAffinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

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°C. 293T cells were treated by λ -PP mixed solution (62.5U) at 30°C for 1 hours.

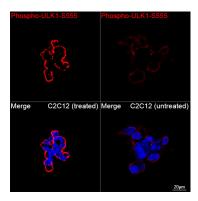
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

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.