

PIK3C3/VPS34 Rabbit mAb

Catalog No.: A12295 **Recombinant** **5 Publications**

Basic Information

Observed MW

102kDa

Calculated MW

102kDa

Category

Primary antibody

Applications

WB,IF/ICC,IP,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC0286

Background

Enables 1-phosphatidylinositol-3-kinase activity. Involved in early endosome to late endosome transport and regulation of cytokinesis. Acts upstream of or within autophagy and protein lipidation. Located in autolysosome; late endosome; and midbody.

Recommended Dilutions

WB 1:1000 - 1:6000

IF/ICC 1:200 - 1:800

IP 0.5µg-4µg antibody for 400µg-600µg extracts of whole cells

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

5289

Swiss Prot

Q8NEB9

Immunogen

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

Synonyms

VPS34; Vps34; hVps34; PIK3C3/VPS34

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

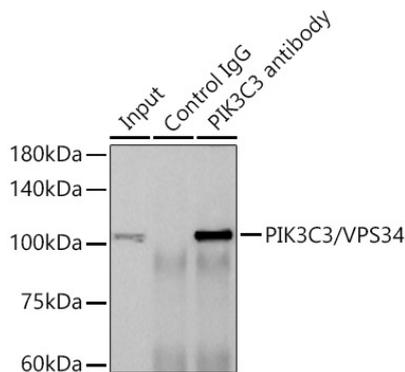
Affinity purification

Storage

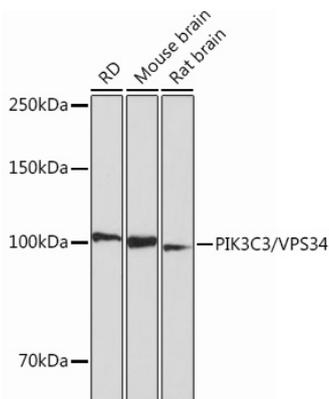
Store at -20°C. Avoid freeze / thaw cycles.

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.

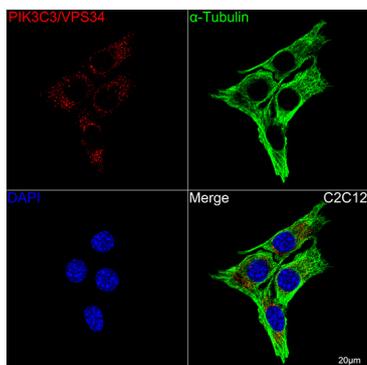
Validation Data



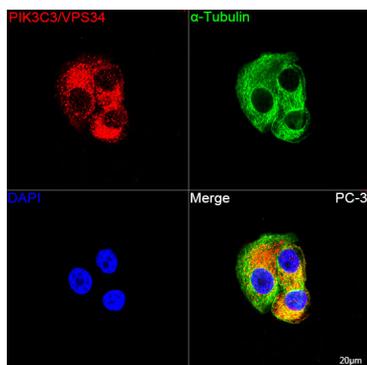
Immunoprecipitation analysis of 600 µg extracts of Rat brain cells using 3 µg PIK3C3/VPS34 antibody (A12295). Western blot was performed from the immunoprecipitate using PIK3C3/VPS34 antibody (A12295) at a dilution of 1:500.



Western blot analysis of various lysates using PIK3C3/VPS34 Rabbit mAb (A12295) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



Confocal imaging of C2C12 cells using PIK3C3/VPS34 Rabbit mAb (A12295, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of PC-3 cells using PIK3C3/VPS34 Rabbit mAb (A12295, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.