

# PIK3C3/VPS34 Rabbit mAb

Catalog No.: A12295 **Recombinant** **3 Publications**

## Basic Information

### Observed MW

100kDa

### Calculated MW

102kDa

### Category

Primary antibody

### Applications

ELISA, WB, IF/ICC, IP

### Cross-Reactivity

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** 1:500 - 1:2000

**IF/ICC** 1:50 - 1:200

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

## Immunogen Information

### Gene ID

5289

### Swiss Prot

Q8NEB9

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 788-887 of human PIK3C3/VPS34 (Q8NEB9).

### Synonyms

VPS34; Vps34; hVps34; PIK3C3/VPS34

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

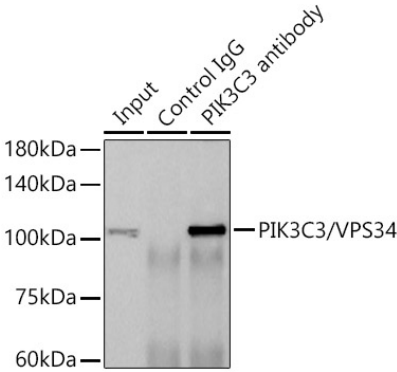
Affinity purification

### Storage

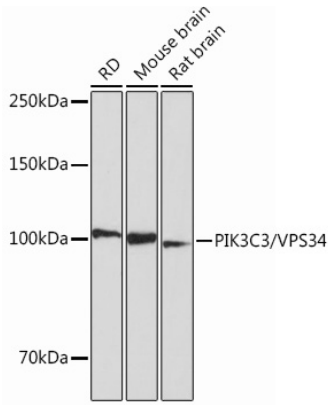
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

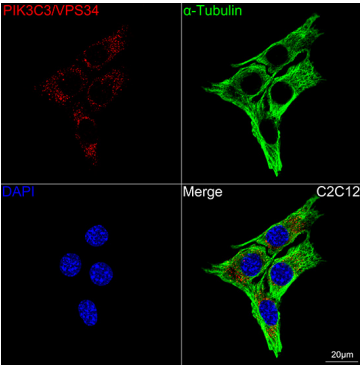
Validation Data



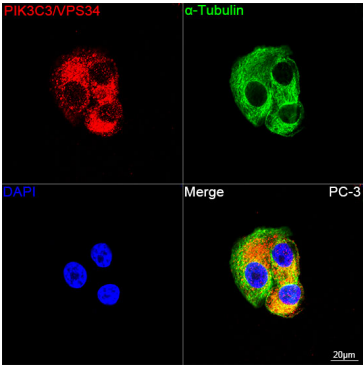
Immunoprecipitation analysis of 600 µg extracts of Rat brain cells using 3 µg PIK3C3/VPS34 antibody (A12295). Western blot was performed from the immunoprecipitate using PIK3C3/VPS34 antibody (A12295) at a dilution of 1:500.



Western blot analysis of various lysates using PIK3C3/VPS34 Rabbit mAb (A12295) at 1:1000 dilution. Secondary antibody: HRP 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.