

A12295

Leader in Biomolecular Solutions for Life Science



# PIK3C3/VPS34 Rabbit mAb

Catalog No.: A12295

Recombinant

4 Publications

## Basic Information

### Observed MW

102kDa

### Calculated MW

102kDa

### Category

Monoclonal 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.

## Contact

 [www.abclonal.com](http://www.abclonal.com)

## 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

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

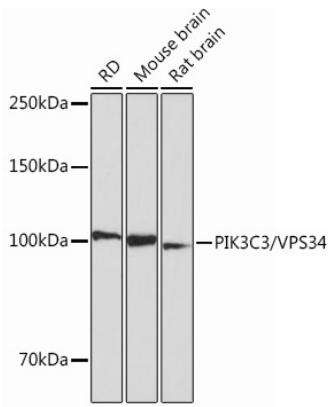
Affinity purification

### 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



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

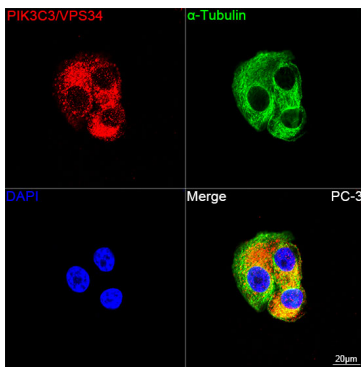
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

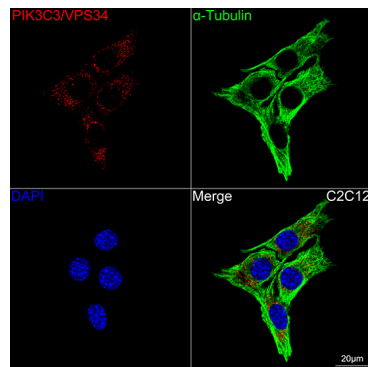
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

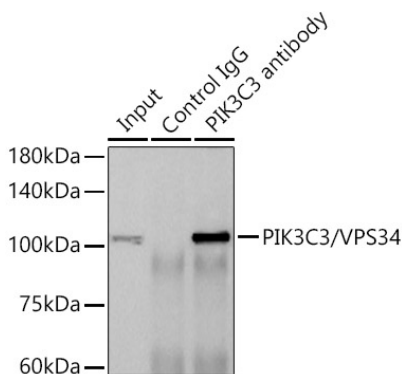
Exposure time: 10s.



Confocal imaging of 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  $\alpha$ -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 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  $\alpha$ -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.



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.