# PIK3C3/VPS34 Rabbit mAb

Catalog No.: A12295 Recombinant 4 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**Swiss Prot
5289
Q8NEB9

### **Immunogen**

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

### **Synonyms**

VPS34; Vps34; hVps34; PIK3C3/VPS34

# **Contact**

6		400-999-6126
$\bowtie$		cn.market@abclonal.com.cn
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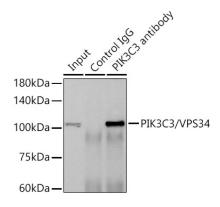
## **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

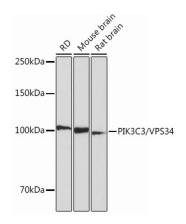
# Storage

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

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



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

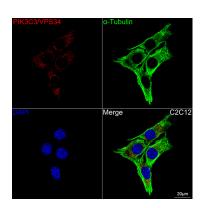


Western blot analysis of various lysates using PIK3C3/VPS34 Rabbit mAb (A12295) at 1□1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane.

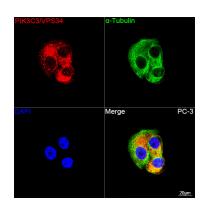
Blocking buffer: 3% nonfat dry milk in TBST.

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  $\alpha$ -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 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.