

# PIK3C3/VPS34 Rabbit pAb

Catalog No.: A0952

## Basic Information

### Catalog No.

A0952

### Observed MW

102kDa

### Calculated MW

101kDa

### Category

Primary antibody

### Applications

WB, IHC

### Cross-Reactivity

Human, Mouse

## Recommended Dilutions

<b>WB</b>	1:500 - 1:2000
<b>IHC</b>	1:50 - 1:200

## Contact

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

## Background

Catalytic subunit of the PI3K complex that mediates formation of phosphatidylinositol 3-phosphate; different complex forms are believed to play a role in multiple membrane trafficking pathways: PI3KC3-C1 is involved in initiation of autophagosomes and PI3KC3-C2 in maturation of autophagosomes and endocytosis. Involved in regulation of degradative endocytic trafficking and required for the abscission step in cytokinesis, probably in the context of PI3KC3-C2 (PubMed:20643123, PubMed:20208530). Involved in the transport of lysosomal enzyme precursors to lysosomes. Required for transport from early to late endosomes (By similarity).

## Immunogen Information

<b>Gene ID</b>	<b>Swiss Prot</b>
5289	Q8NEB9

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-300 of human PIK3C3/VPS34/VPS34 (NP\_002638.2).

### Synonyms

PIK3C3;VPS34;Vps34;hVps34

## Product Information

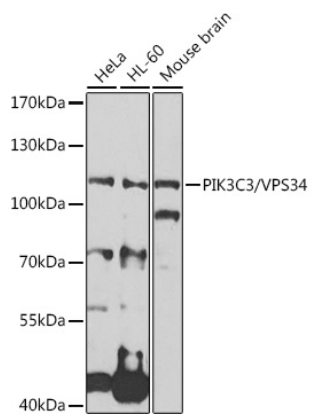
<b>Source</b>	<b>Isotype</b>	<b>Purification</b>
Rabbit	IgG	Affinity purification

### Storage

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

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

## Validation Data



Western blot analysis of extracts of various cell lines, using PIK3C3/VPS34/VPS34 antibody (A0952) at 1:1000 dilution.

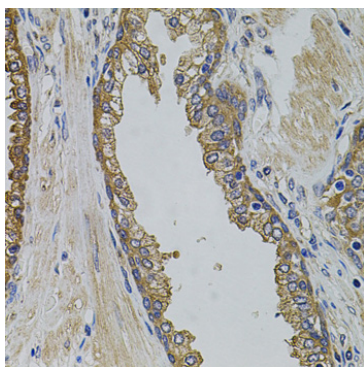
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit (RM00021).

Exposure time: 90s.



Immunohistochemistry of paraffin-embedded human prostate using PIK3C3/VPS34/VPS34 antibody (A0952) at dilution of 1:100 (40x lens).