

## PI3 Kinase Class 3 Rabbit pAb

CatalogNo: YT5759

### | Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat, Cow, Pig

#### Applications

- WB, IHC

#### MW

- 100kD (Observed)

#### Isotype

- IgG

### | Recommended Dilution Ratios

WB 1:500-2000

IHC 1:50-300

### | Storage

#### Storage\*

-15°C to -25°C/1 year (Do not lower than -25°C)

#### Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### | Basic Information

#### Clonality

Polyclonal

### | Immunogen Information

#### Immunogen

Synthetic Peptide of PI 3 Kinase Class 3

#### Specificity

This antibody detects endogenous levels of PI 3 Kinase Class 3 Polyclonal Antibody at Human; Mouse; Rat; Predicted: Cow: PIG

### | Target Information

#### Gene name

PIK3C3 VPS34

<b>Protein Name</b>	PI 3 Kinase Class 3		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">5289;</a>	<a href="#">Q8NEB9;</a>
	Mouse	<a href="#">225326;</a>	<a href="#">Q6PF93;</a>
	Rat	<a href="#">65052;</a>	<a href="#">O88763;</a>
<b>Cellular Localization</b>	Midbody . Late endosome . Cytoplasmic vesicle, autophagosome . As component of the PI3K complex I localized to pre-autophagosome structures. As component of the PI3K complex II localized predominantly to endosomes (PubMed:14617358). Localizes also to discrete punctae along the ciliary axoneme and to the base of the ciliary axoneme (By similarity). .		
<b>Tissue specificity</b>	Ubiquitously expressed, with a highest expression in skeletal muscle.		
<b>Function</b>	Catalytic activity:ATP + 1-phosphatidyl-1D-myo-inositol = ADP + 1-phosphatidyl-1D-myo-inositol 3-phosphate.,cofactor:Manganese.,Function:Catalytic subunit of the PI3K complex. Involved in the transport of lysosomal enzyme precursors to lysosomes.,similarity:Belongs to the PI3/PI4-kinase family.,similarity:Contains 1 PI3K/PI4K domain.,subunit:Probably forms a complex with AMBRA1 and BECN1 (By similarity). Heterodimer. This subunit, part of a complex composed of regulatory and catalytic subunits, associates with regulatory subunit PIK3R4.,tissue specificity:Ubiquitously expressed, with a highest expression in skeletal muscle.,		

| Validation Data

| Contact information

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Please scan the QR code to access additional product information:  
**PI3 Kinase Class 3**  
**Rabbit pAb**