

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

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.

Recommended Dilution Ratios

WB 1:500-2000**IHC 1:50-300**

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

Protein Name

PI 3 Kinase Class 3

Organism	Gene ID	UniProt ID
Human	5289 ;	Q8NEB9 ;
Mouse	225326 ;	Q6PF93 ;
Rat	65052 ;	O88763 ;

Cellular Localization

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). .

Tissue specificity Ubiquitously expressed, with a highest expression in skeletal muscle.

Function

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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PI3 Kinase Class 3 Rabbit pAb

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