

PI3 Kinase Class III (Phospho Ser249) Rabbit pAb

CatalogNo: YP1435 **Orthogonal Validated** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA, 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

ELISA 1:2000-20000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized phospho peptide around human PI3 Kinase Class III (Ser249)

Specificity This antibody detects endogenous levels of Human PI3 Kinase Class III (phospho-Ser249)

Target Information

Gene name PIK3C3 VPS34

Protein Name PI 3 Kinase Class III (Ser249)

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

Cellular Localization

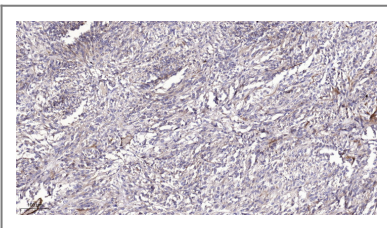
Midbody . Late endosome . Cytoplasmic vesicle , autophagosome . As component of the PI3K complex I localized to pre-autophagosome structures. As component of the PI3K complex II localized predominantly to endosomes (PubMed:14617358) . Localizes also to discrete punctae along the ciliary axoneme and to the base of the ciliary axoneme (By similarity) . .

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

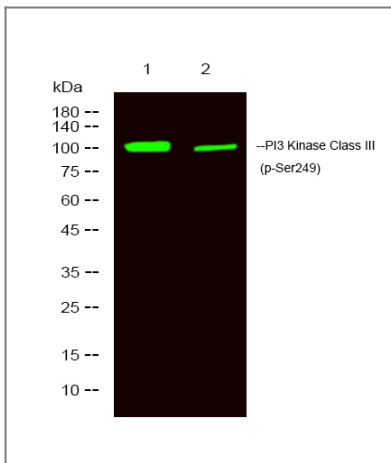
Function

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



Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200 (4°C overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 45min).



Western Blot analysis of 1 Jurkat treated with LPS, 2 Jurkat ,using primary antibody at 1:1000 dilution. Secondary antibody (catalog#:RS23920) was diluted at 1:10000

| Contact information

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(Phospho Ser249)
Rabbit pAb**

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