



## Rabbit Anti-phospho-PIK3C3 (Ser164) antibody

SL5581R

<b>Product Name:</b>	phospho-PIK3C3 (Ser164)
<b>Chinese Name:</b>	磷酸化磷脂酰肌醇激酶3催化亚单位3抗体
<b>Alias:</b>	PIK3C3(phospho S164); p-PIK3C3(phospho S164); p-PIK3C3(Ser164); PI 3 Kinase Class 3; Phosphatidylinositol 3 kinase catalytic subunit type 3; Phosphatidylinositol 3 kinase class 3; Phosphatidylinositol 3 kinase p100 subunit; Phosphoinositide 3 kinase class 3; PI3 kinase type 3; PI3K type 3; PIK3C3; PtdIns 3 kinase type 3; Vps 34; Vps34; hVps34; MGC61518.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	98kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated Synthesised phosphopeptide derived from human PIK3C3 around the phosphorylation site of Ser164:RT(p-S)ST
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	PI 3 Kinase Class 3 is a member of the PI3/PI4-kinase family. It is the catalytic subunit

of the PI3K complex. It is involved in the transport of lysosomal enzyme precursors to lysosomes. It is ubiquitously expressed, with a highest expression in skeletal muscle.

**Function:**

Catalytic subunit of the PI3K complex that mediates formation of phosphatidylinositol 3-phosphate which plays a key role in initiation and maturation of autophagosomes. Involved in the transport of lysosomal enzyme precursors to lysosomes. Required for the abscission step in cytokinesis. Required for transport from early to late endosomes.

**Subunit:**

Heterodimer. This subunit, part of a complex composed of regulatory and catalytic subunits, associates with regulatory subunit PIK3R4. Forms a complex with BECN1, PIK3R4 and either UVRAG and KIAA0226/Rubicon, or with ATG14. In this complex, presence of UVRAG and ATG14 are mutually exclusive. Part of a complex composed of PIK3R4 and PIK3CB (By similarity). Interacts with RAB7A in the presence of PIK3R4.

**Subcellular Location:**

Midbody. Late endosome.

**Tissue Specificity:**

Ubiquitously expressed, with a highest expression in skeletal muscle.

**Similarity:**

Belongs to the PI3/PI4-kinase family.  
Contains 1 C2 PI3K-type domain.  
Contains 1 PI3K/PI4K domain.  
Contains 1 PIK helical domain.

**SWISS:**

Q8NEB9

**Gene ID:**

5289

**Database links:**

[Entrez Gene: 5289](#) Human

[Entrez Gene: 225326](#) Mouse

[Entrez Gene: 65052](#) Rat

[Omim: 602609](#) Human

[SwissProt: Q8NEB9](#) Human

[SwissProt: Q6PF93](#) Mouse

[SwissProt: O88763](#) Rat

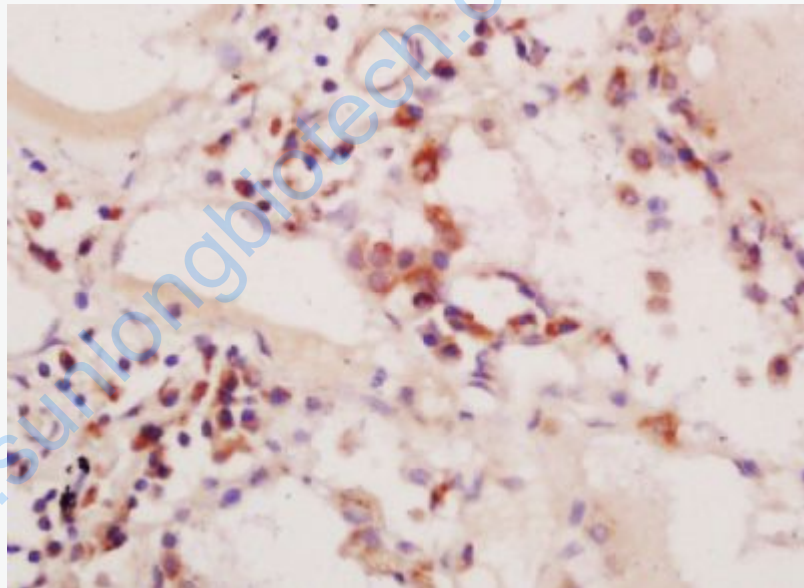
[Unigene: 464971](#) Human

[Unigene: 194127](#) Mouse

[Unigene: 30010](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



**Picture:**

Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-phospho-PIK3C3(Ser164) Polyclonal Antibody,

Unconjugated(SL5581R) 1:200, overnight at 4°C, followed by conjugation to the

	secondary antibody(SP-0023) and DAB(C-0010) staining
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