

**Mouse Pik3r4 Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP14076c****Specification**

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**Mouse Pik3r4 Antibody (Center) Blocking peptide - Product Information**Primary Accession [Q8VD65](#)**Mouse Pik3r4 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 75669**Other Names**

Phosphoinositide 3-kinase regulatory subunit 4, PI3-kinase regulatory subunit 4, Pik3r4

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP14076c was selected from the Center region of Mouse Pik3r4. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**Mouse Pik3r4 Antibody (Center) Blocking peptide - Protein Information****Name** Pik3r4**Synonyms** Vps15 {ECO:0000303|PubMed:23332761}**Function**

Regulatory 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 cytokinesis, probably in the context of PI3KC3-C2 (By similarity).

**Cellular Location**

Late endosome. Cytoplasmic vesicle, autophagosome. Membrane {ECO:0000250|UniProtKB:Q99570}; Lipid-anchor {ECO:0000250|UniProtKB:Q99570}. Note=As component of the PI3K complex I localized to pre-autophagosome structures. As component of the PI3K complex II localized predominantly to endosomes. Localizes also to discrete punctae along

the ciliary axoneme (PubMed:24089209) {ECO:0000269|PubMed:24089209, ECO:0000305}

### **Mouse Pik3r4 Antibody (Center) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

### **Mouse Pik3r4 Antibody (Center) Blocking peptide - Images**

### **Mouse Pik3r4 Antibody (Center) Blocking peptide - Background**

Regulatory subunit of the PI3K complex. May regulate membrane trafficking late in the endocytic pathway (By similarity).

### **Mouse Pik3r4 Antibody (Center) Blocking peptide - References**

Blackshaw, S., et al. PLoS Biol. 2 (9), E247 (2004) :