

**FFR Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP11004c****Specification**

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**FFR Antibody (Center) Blocking peptide - Product Information**Primary Accession [Q9UID3](#)**FFR Antibody (Center) Blocking peptide - Additional Information****Gene ID** 738**Other Names**

Vacuolar protein sorting-associated protein 51 homolog, Another new gene 2 protein, Protein fat-free homolog, VPS51, ANG2, C11orf2, C11orf3, FFR

**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.

**FFR Antibody (Center) Blocking peptide - Protein Information****Name** VPS51**Synonyms** ANG2, C11orf2, C11orf3, FFR**Function**

Acts as a component of the GARP complex that is involved in retrograde transport from early and late endosomes to the trans-Golgi network (TGN). The GARP complex is required for the maintenance of protein retrieval from endosomes to the TGN, acid hydrolase sorting, lysosome function, endosomal cholesterol traffic and autophagy. VPS51 participates in retrograde transport of acid hydrolase receptors, likely by promoting tethering and SNARE-dependent fusion of endosome- derived carriers to the TGN (PubMed:<a href="http://www.uniprot.org/citations/20685960" target="\_blank">20685960</a>). Acts as a component of the EARP complex that is involved in endocytic recycling. The EARP complex associates with Rab4-positive endosomes and promotes recycling of internalized transferrin receptor (TFRC) to the plasma membrane (PubMed:<a href="http://www.uniprot.org/citations/25799061" target="\_blank">25799061</a>).

**Cellular Location**

Golgi apparatus, trans-Golgi network. Recycling endosome. Note=Localizes to the trans-Golgi network as part of the GARP complex, while it localizes to recycling endosomes as part of the EARP

complex (PubMed:25799061)

### **FFR Antibody (Center) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

### **FFR Antibody (Center) Blocking peptide - Images**

### **FFR Antibody (Center) Blocking peptide - Background**

Required for both Golgi structure and vesicular trafficking, and ultimately lipid transport (By similarity).

### **FFR Antibody (Center) Blocking peptide - References**

Wan, D., et al. Proc. Natl. Acad. Sci. U.S.A. 101(44):15724-15729(2004)Lemmens, I., et al. Genomics 44(1):94-100(1997)