

**C11orf2 / Fat-Free Antibody (C-Terminus)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS15645****Specification**

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**C11orf2 / Fat-Free Antibody (C-Terminus) - Product Information**

Application	IHC, WB
Primary Accession	<a href="#">O9UID3</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	86kDa KDa

**C11orf2 / Fat-Free Antibody (C-Terminus) - 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

**Target/Specificity**

Human C11orf2 / Fat-Free. At least two alternatively spliced isoforms are known to exist; this antibody will detect both isoforms.

**Reconstitution & Storage**

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

**Precautions**

C11orf2 / Fat-Free Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**C11orf2 / Fat-Free Antibody (C-Terminus) - 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**

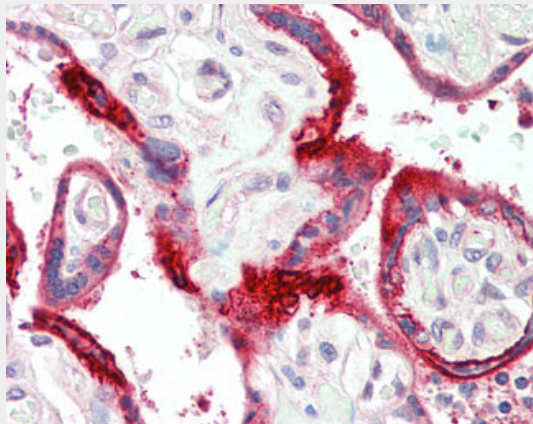
Golgi apparatus, trans-Golgi network. Recycling endosome. Note=Localizes to the trans-Golgi network as part of the GARP complex, while it localizes to recycling endosomes as part of the EARP complex (PubMed:25799061)

#### **C11orf2 / Fat-Free Antibody (C-Terminus) - Protocols**

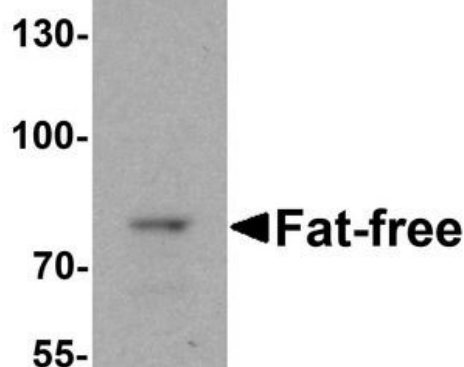
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **C11orf2 / Fat-Free Antibody (C-Terminus) - Images**



Anti-C11orf2 / Fat-Free antibody IHC staining of human placenta.



Western blot analysis of Fat Free in mouse brain tissue lysate with Fat Free antibody at 1 ug/ml.

#### **C11orf2 / Fat-Free Antibody (C-Terminus) - Background**

Acts as 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.

#### **C11orf2 / Fat-Free Antibody (C-Terminus) - References**

- Lemmens I.H., et al. Genomics 49:437-442(1998).
- Lemmens I.H., et al. Submitted (MAY-2000) to the EMBL/GenBank/DDBJ databases.
- Wan D., et al. Proc. Natl. Acad. Sci. U.S.A. 101:15724-15729(2004).
- Taylor T.D., et al. Nature 440:497-500(2006).
- Bechtel S., et al. BMC Genomics 8:399-399(2007).