

**PLIN3 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP18857c****Specification**

---

**PLIN3 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [O60664](#)**PLIN3 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 10226**Other Names**

Perilipin-3, 47 kDa mannose 6-phosphate receptor-binding protein, 47 kDa MPR-binding protein, Cargo selection protein TIP47, Mannose-6-phosphate receptor-binding protein 1, Placental protein 17, PP17, PLIN3, M6PRBP1, TIP47

**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.

**PLIN3 Antibody (Center) Blocking Peptide - Protein Information****Name** PLIN3**Synonyms** M6PRBP1, TIP47 {ECO:0000303|PubMed:95901**Function**

Structural component of lipid droplets, which is required for the formation and maintenance of lipid storage droplets (PubMed:<a href="http://www.uniprot.org/citations/34077757" target="\_blank">34077757</a>). Required for the transport of mannose 6-phosphate receptors (MPR) from endosomes to the trans-Golgi network (PubMed:<a href="http://www.uniprot.org/citations/9590177" target="\_blank">9590177</a>).

**Cellular Location**

Lipid droplet. Endosome membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm. Note=Membrane associated on endosomes (PubMed:15545278). Detected in the envelope and the core of lipid bodies and in lipid sails (PubMed:15545278)

**PLIN3 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **PLIN3 Antibody (Center) Blocking Peptide - Images**

#### **PLIN3 Antibody (Center) Blocking Peptide - Background**

Mannose 6-phosphate receptors (MPRs) deliver lysosomal hydrolase from the Golgi to endosomes and then return to the Golgi complex. The protein encoded by this gene interacts with the cytoplasmic domains of both cation-independent and cation-dependent MPRs, and is required for endosome-to-Golgi transport. This protein also binds directly to the GTPase RAB9 (RAB9A), a member of the RAS oncogene family. The interaction with RAB9 has been shown to increase the affinity of this protein for its cargo. Multiple transcript variants encoding different isoforms have been found for this gene.

#### **PLIN3 Antibody (Center) Blocking Peptide - References**

Hocsak, E., et al. FEBS Lett. 584(13):2953-2960(2010) Bauby, H., et al. Traffic 11(4):455-467(2010) Kimmel, A.R., et al. J. Lipid Res. 51(3):468-471(2010) Espinosa, E.J., et al. Cell 137(5):938-948(2009) Bulankina, A.V., et al. J. Cell Biol. 185(4):641-655(2009)