

C18orf1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP17752c

Specification

C18orf1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [O15165](#)

C18orf1 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 753

Other Names

Low-density lipoprotein receptor class A domain-containing protein 4, LDLRAD4, C18orf1

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.

C18orf1 Antibody (Center) Blocking Peptide - Protein Information

Name LDLRAD4

Synonyms C18orf1

Function

Functions as a negative regulator of TGF-beta signaling and thereby probably plays a role in cell proliferation, differentiation, apoptosis, motility, extracellular matrix production and immunosuppression. In the canonical TGF-beta pathway, ZFYVE9/SARA recruits the intracellular signal transducer and transcriptional modulators SMAD2 and SMAD3 to the TGF-beta receptor. Phosphorylated by the receptor, SMAD2 and SMAD3 then form a heteromeric complex with SMAD4 that translocates to the nucleus to regulate transcription. Through interaction with SMAD2 and SMAD3, LDLRAD4 may compete with ZFYVE9 and SMAD4 and prevent propagation of the intracellular signal.

Cellular Location

Early endosome membrane; Single-pass membrane protein

Tissue Location

Expressed in lymphocytes.

C18orf1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

C18orf1 Antibody (Center) Blocking Peptide - Images

C18orf1 Antibody (Center) Blocking Peptide - Background

C18orf1 belongs to the PMEPA1 family and contains 1 LDL-receptor class A domain.

C18orf1 Antibody (Center) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) ;Wheeler, H.E., et al. PLoS Genet. 5 (10), E1000685 (2009) ;Levy, D., et al. Nat. Genet. 41(6):677-687(2009)Lamesch, P., et al. Genomics 89(3):307-315(2007)Yoshikawa, T., et al. Genomics 47(2):246-257(1998)