

C4orf16 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP9714a**Specification**

C4orf16 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q63HQ0](#)**C4orf16 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 55435**Other Names**

AP-1 complex-associated regulatory protein, 2c18, Adaptor-related protein complex 1-associated regulatory protein, Gamma-1-adaptin brefeldin A resistance protein, GBAR, Gamma-BAR, Gamma-A1-adaptin and kinesin interactor, Gadkin, AP1AR, C4orf16

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.

C4orf16 Antibody (N-term) Blocking Peptide - Protein Information**Name** AP1AR**Synonyms** C4orf16**Function**

Necessary for adaptor protein complex 1 (AP-1)-dependent transport between the trans-Golgi network and endosomes. Regulates the membrane association of AP1G1/gamma1-adaptin, one of the subunits of the AP-1 adaptor complex. The direct interaction with AP1G1/gamma1-adaptin attenuates the release of the AP-1 complex from membranes. Regulates endosomal membrane traffic via association with AP-1 and KIF5B thus linking kinesin-based plus-end-directed microtubular transport to AP-1-dependent membrane traffic. May act as effector of AP-1 in calcium-induced endo-lysosome secretion. Inhibits Arp2/3 complex function; negatively regulates cell spreading, size and motility via intracellular sequestration of the Arp2/3 complex.

Cellular Location

Golgi apparatus, trans-Golgi network. Late endosome. Early endosome. Note=Localizes to the juxta-nuclear Golgi region and to tubular structures throughout the cytoplasm, which are highly mobile and cycle between the juxta-nuclear area and the cell periphery

C4orf16 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

C4orf16 Antibody (N-term) Blocking Peptide - Images

C4orf16 Antibody (N-term) Blocking Peptide - Background

Necessary for AP-1 dependent transport between the trans-Golgi network and endosomes. Regulates the membrane association of AP1G1/Gamma1-adaptin, one of the subunits of the AP-1 adapter complex. The direct interaction with AP1G1/Gamma1-adaptin attenuates the release of the AP-1 complex from membranes.

C4orf16 Antibody (N-term) Blocking Peptide - References

Hillier, L.W., et al. Nature 434(7034):724-731(2005)Neubrand, V.E., et al. EMBO J. 24(6):1122-1133(2005)Brill, L.M., et al. Anal. Chem. 76(10):2763-2772(2004)Simpson, J.C., et al. EMBO Rep. 1(3):287-292(2000)