

COPZ1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP13127a**Specification**

COPZ1 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [P61923](#)**COPZ1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 22818**Other Names**

Coatomer subunit zeta-1, Zeta-1-coat protein, Zeta-1 COP, COPZ1, COPZ

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13127a was selected from the N-term region of COPZ1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

COPZ1 Antibody (N-term) Blocking Peptide - Protein Information**Name** COPZ1**Synonyms** COPZ**Function**

The coatomer is a cytosolic protein complex that binds to dilysine motifs and reversibly associates with Golgi non-clathrin-coated vesicles, which further mediate biosynthetic protein transport from the ER, via the Golgi up to the trans Golgi network. Coatomer complex is required for budding from Golgi membranes, and is essential for the retrograde Golgi-to-ER transport of dilysine-tagged proteins (By similarity). The zeta subunit may be involved in regulating the coat assembly and, hence, the rate of biosynthetic protein transport due to its association-dissociation properties with the coatomer complex (By similarity).

Cellular Location

Cytoplasm. Golgi apparatus membrane; Peripheral membrane protein; Cytoplasmic side.
Cytoplasmic vesicle, COPI-coated vesicle membrane; Peripheral membrane protein; Cytoplasmic

side. Note=The coatomer is cytoplasmic or polymerized on the cytoplasmic side of the Golgi, as well as on the vesicles/buds originating from it.

COPZ1 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

COPZ1 Antibody (N-term) Blocking Peptide - Images

COPZ1 Antibody (N-term) Blocking Peptide - Background

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COPZ1 Antibody (N-term) Blocking Peptide - References

Matsuoka, S., et al. Science 316(5828):1160-1166(2007)Lamesch, P., et al. Genomics 89(3):307-315(2007)Lippincott-Schwartz, J., et al. Trends Cell Biol. 16 (10), E1-E4 (2006)
:Wegmann, D., et al. Mol. Cell. Biol. 24(3):1070-1080(2004)Futatsumori, M., et al. J. Biochem. 128(5):793-801(2000)