

COPB2 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP18930b**Specification**

COPB2 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P35606](#)**COPB2 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 9276**Other Names**

Coatomer subunit beta', Beta'-coat protein, Beta'-COP, p102, COPB2

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.

COPB2 Antibody (C-term) Blocking Peptide - Protein Information**Name** COPB2**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. In mammals, the coatomer can only be recruited by membranes associated to ADP-ribosylation factors (ARFs), which are small GTP-binding proteins; the complex also influences the Golgi structural integrity, as well as the processing, activity, and endocytic recycling of LDL receptors.

Cellular Location

Cytoplasm, cytosol. 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. Shows only a slight preference for the cis-Golgi apparatus, compared with the trans-Golgi

COPB2 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

COPB2 Antibody (C-term) Blocking Peptide - Images

COPB2 Antibody (C-term) Blocking Peptide - Background

The Golgi coatamer complex (see MIM 601924) constitutes the coat of nonclathrin-coated vesicles and is essential for Golgi budding and vesicular trafficking. It consists of 7 protein subunits, including COPB2.

COPB2 Antibody (C-term) Blocking Peptide - References

Kim, E., et al. Biochem. Biophys. Res. Commun. 395(2):244-250(2010) Guo, Y., et al. Mol. Biol. Cell 19(7):2830-2843(2008) Rikova, K., et al. Cell 131(6):1190-1203(2007) Tu, L.C., et al. Mol. Cell Proteomics 6(4):575-588(2007) Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :