

COP1 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP11328a**Specification**

COP1 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q5EG05](#)**COP1 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 114769**Other Names**

Caspase recruitment domain-containing protein 16, Caspase recruitment domain-only protein 1, CARD-only protein 1, Caspase-1 inhibitor COP, Pseudo interleukin-1 beta converting enzyme, Pseudo-ICE, Pseudo-IL1B-converting enzyme, CARD16, COP, COP1

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.

COP1 Antibody (N-term) Blocking peptide - Protein Information**Name** CARD16**Synonyms** COP, COP1**Function**

Caspase inhibitor. Acts as a regulator of procaspase-1/CASP1 activation implicated in the regulation of the proteolytic maturation of pro-interleukin-1 beta (IL1B) and its release during inflammation. Inhibits the release of IL1B in response to LPS in monocytes. Also induces NF-kappa-B activation during the pro-inflammatory cytokine response. Also able to inhibit CASP1-mediated neuronal cell death, TNF- alpha, hypoxia-, UV-, and staurosporine-mediated cell death but not ER stress-mediated cell death. Acts by preventing activation of caspases CASP1 and CASP4, possibly by preventing the interaction between CASP1 and RIPK2.

Tissue Location

Widely expressed. Expressed at higher level in placenta, spleen, lymph node and bone marrow. Weakly or not expressed in thymus.

COP1 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

COP1 Antibody (N-term) Blocking peptide - Images

COP1 Antibody (N-term) Blocking peptide - Background

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COP1 Antibody (N-term) Blocking peptide - References

Bailey, S.D., et al. Diabetes Care (2010) In press :Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Wang, X., et al. Biochim. Biophys. Acta 1762(8):742-754(2006)Wang, X., et al. J. Neurosci. 25(50):11645-11654(2005)Lamkanfi, M., et al. J. Biol. Chem. 279(50):51729-51738(2004)