

**COP1 / PSEUDO-ICE (Isoform 2) Antibody (C-Term)**  
Peptide-affinity purified goat antibody  
Catalog # AF2252a**Specification**

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**COP1 / PSEUDO-ICE (Isoform 2) Antibody (C-Term) - Product Information**

Application	E
Primary Accession	<a href="#">Q5EG05</a>
Other Accession	<a href="#">NP_443121.1</a> , <a href="#">114769</a>
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	22625

**COP1 / PSEUDO-ICE (Isoform 2) Antibody (C-Term) - 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

**Dilution**

E~~N/A

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

COP1 / PSEUDO-ICE (Isoform 2) Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**COP1 / PSEUDO-ICE (Isoform 2) Antibody (C-Term) - 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-, 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 / PSEUDO-ICE (Isoform 2) Antibody (C-Term) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**COP1 / PSEUDO-ICE (Isoform 2) Antibody (C-Term) - Images****COP1 / PSEUDO-ICE (Isoform 2) Antibody (C-Term) - Background**

This antibody is expected to recognize isoform 2 (NP\_443121.1) only. In addition there may be cross-reaction with INCA (GeneID 440068; NP\_001007233.1).

**COP1 / PSEUDO-ICE (Isoform 2) Antibody (C-Term) - References**

Regulation of IL-1beta generation by Pseudo-ICE and ICEBERG, two dominant negative caspase recruitment domain proteins. Druilhe A, Srinivasula SM, Razmara M, Ahmad M, Alnemri ES. Cell Death Differ. 2001 Jun;8(6):649-57. PMID: 11536016