

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

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

Application	E
Primary Accession	Q5EG05
Other Accession	NP_443121.1 , 114769
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

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- α , 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-1 β 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