

Rabbit anti-Human COP1 Polyclonal Antibody | anti-CARD16 antibody

COP1 Antibody (N-term)

CATALOG # AAA288789	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot, ELISA, Flow Cytometry, Functional Assay
-------------------------------	-----------------------	----------------------------	--

PRODUCT SYNONYMS

COP1; Polyclonal Antibody; COP1 Antibody (N-term); 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; anti-CARD16 antibody

PRODUCT SPECIFICATIONS

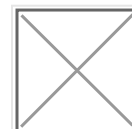
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This COP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 37-65 amino acids from the N-terminal region of human COP1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.35 (varies by lot)
Sequence Positions	37-65
Sequence Length	197
Applicable Applications for anti-CARD16 antibody	WB (Western Blot), ELISA, FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

COP1 Antibody (N-term) western blot analysis in CEM, A549 cell line lysates (35ug/lane). This demonstrates the COP1 antibody detected the COP1 protein (arrow).



FCM/FACS (Flow Cytometry)

COP1 Antibody (N-term) flow cytometric analysis of A549 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL INFORMATION

Related Product Information for anti-CARD16 antibody	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.
Product Categories/Family for anti-CARD16 antibody	Cell Biology
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	62953113
NCBI GeneID	114769
NCBI Accession #	NP_001017534.1; NP_443121.1
NCBI GenBank Nucleotide #	NM_001017534.1
UniProt Accession #	Q5EG05; Q96RJ9
Molecular Weight	22625
NCBI Official Full Name	caspase recruitment domain-containing protein 16 isoform 1
NCBI Official Synonym Full Names	caspase recruitment domain family, member 16
NCBI Official Symbol	CARD16
NCBI Official Synonym Symbols	COP; COP1; PSEUDO-ICE
NCBI Protein Information	caspase recruitment domain-containing protein 16
UniProt Protein Name	Caspase recruitment domain-containing protein 16
UniProt Gene Name	CARD16
UniProt Synonym Gene Names	COP; COP1; CARD-only protein 1; Pseudo-ICE; Pseudo-IL1B-converting enzyme
UniProt Entry Name	CAR16_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/cop1-antibody-western-blot-flow-cytometry-elisa/288789>