CARD16 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CARD16, Polyclonal Antibody
Full Product Name	CARD16 Rabbit pAb
Product Gene Name	anti-CARD16 antibody
Product Synonym Names	COP; COP1; PSEUDO-ICE
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	pH7.4 PBS, 0.05% NaN3, 40% Glycerol
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C.
Molecular Weight	23kDa
3D Structure	ModBase 3D Structure for Q5EG05
Immunogen	Synthetic peptide of human CARD16
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CARD16 antibody	Western Blot (WB)
Application Notes for anti-CARD16 antibody	WB: 500-2000
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.
Other Notes	Small volumes of anti-CARD16 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CARD16 purchase	MBS8560116 is an antibody targeting CARD16. Also known as CARD16 Rabbit pAb. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CARD16. It may not necessarily be applicable to this product.

NCBI GI #	62953113
NCBI GeneID	114769
NCBI Accession #	NP_001017534.1

UniProt Primary Accession #	Q5EG05
UniProt Related Accession #	Q5EG05
GenBank Nucleotide #	NP_001017534.1
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
UniProt Protein Name	Caspase recruitment domain-containing protein 16
UniProt Synonym Protein Names	CARD only domain-containing protein 1; Caspase-1 inhibitor COP; Pseudo interleukin-1 beta converting enzyme
Protein Family	Caspase recruitment domain-containing protein
UniProt Gene Name	CARD16
UniProt Synonym Gene Names	COP; COP1; Pseudo-ICE
UniProt Entry Name	CAR16_HUMAN
NCBI Protein Information	caspase recruitment domain-containing protein 16
Research Articles on CARD16	**1.** Expression of NOX4/p22(phox) as well as ROS production is enhanced by IL-1beta. On the other hand, the use of NOX4 inhibitors decreased IL-1beta-induced collagenase synthesis by chondrocytes.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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