CARD14 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CARD14, Polyclonal Antibody
Full Product Name	CARD14 Antibody
Product Gene Name	anti-CARD14 antibody
Product Synonym Names	Caspase recruitment domain-containing protein 14; CARD-containing MAGUK protein 2; Carma 2; CARD14; CARMA2
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Molecular Weight	113,270 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (78143791..78183130). Location: 17q25
OMIM	173200
3D Structure	ModBase 3D Structure for Q9BXL6
Applications Tested/Suitable for anti-CARD14 antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry-Paraffin (IHC-P), ELISA (EIA)
Related Product Information for anti-CARD14 antibody	Plays a role in signaling mediated by TRAF2, TRAF3 and TRAF6 and protects cells against apoptosis. Activates NF-kappa-B via BCL10 and IKK. Stimulates the phosphorylation of BCL10.
Product References and Citations for anti-CARD14 antibody	Bertin J., et al.J. Biol. Chem. 276:11877-11882 (2001).Gaide O., et al.FEBS Lett. 496:121-127 (2001).Gaide O., et al.FEBS Lett. 505:198-198 (2001).Scudiero I., et al.J. Cell. Physiol. 226:3121-3131 (2011).Zody M.C., et al.Nature 440:1045-1049 (2006).
Other Notes	Small volumes of anti-CARD14 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 CARD14 purchase	MBS9232495 is an antibody targeting CARD14. Also known as CARD14 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CARD14. It may not necessarily be applicable to this product.

NCBI GI #	384229040
NCBI GeneID	79092
NCBI Accession #	NP_001244899.1
UniProt Primary Accession #	Q9BXL6
UniProt Secondary Accession #	Q9BVB5
UniProt Related Accession #	Q9BXL6

GenBank Nucleotide #	NM_001257970.1
NCBI Official Full Name	caspase recruitment domain-containing protein 14 isoform 3
NCBI Official Synonym Full Names	caspase recruitment domain family, member 14
NCBI Official Symbol	CARD14
NCBI Official Synonym Symbols	PRP; PSS1; BIMP2; CARMA2; PSORS2
UniProt Protein Name	Caspase recruitment domain-containing protein 14
UniProt Synonym Protein Names	CARD-containing MAGUK protein 2
Protein Family	Caspase recruitment domain-containing protein
UniProt Gene Name	CARD14
UniProt Synonym Gene Names	CARMA2; Carma 2
UniProt Entry Name	CAR14_HUMAN
NCBI Protein Information	caspase recruitment domain-containing protein 14; carma 2; card-maguk protein 2; CARD-containing MAGUK protein 2; bcl10-interacting maguk protein 2
NCBI Summary for CARD14	This gene encodes a caspase recruitment domain-containing protein that is a member of the membrane-associated guanylate kinase (MAGUK) family of proteins. Members of this protein family are scaffold proteins that are involved in a diverse array of cellular processes including cellular adhesion, signal transduction and cell polarity control. This protein has been shown to specifically interact with BCL10, a protein known to function as a positive regulator of cell apoptosis and NF-kappaB activation. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Apr 2012]
UniProt Comments for CARD14	CARD14: a protein containing a caspase recruitment domain (CARD) that functions as an activator of BCL10 and NF-kappaB signaling. CARD is a protein module that consists of 6 or 7 antiparallel alpha helices. It participates in signaling through highly specific protein-protein homophilic interactions. CARD proteins function as scaffolds for the assembly of multiprotein complexes at specialized regions of the plasma membrane. The CARD domain of CARD14 associates specifically with the CARD domains of CARD10 and BCL10, a signaling protein that activates NF-kB through the IkappaB kinase complex in response to upstream stimuli. When expressed in cells, CARD14 activates NF-kappaB and induces the phosphorylation of BCL10. A subgroup of primary lymphomas of the central nervous system have higher levels of CARD14 expression. Protein type: Adaptor/scaffold Chromosomal Location of Human Ortholog: 17q25 Cellular Component: cytoplasm; plasma membrane Molecular Function: CARD domain binding Biological Process: tumor necrosis factor-mediated signaling pathway; apoptosis; activation of NF-kappaB-inducing kinase; positive regulation of protein amino acid phosphorylation; negative regulation of apoptosis; activation of NF-kappaB transcription factor Disease: Psoriasis 2; Pityriasis Rubra Pilaris
Research Articles on CARD14	**1.** we identified three different heterozygous mutations in CARD14 causing familial pityriasis rubra pilaris.
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