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Datasheet for ABIN6990438
anti-CARD10 antibody (N-Term)

Overview

Quantity:	0.1 mg
Target:	CARD10
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CARD10 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	CARMA3 antibody was raised against a 16 amino acid synthetic peptide near the amino terminus of human CARMA3. The immunogen is located within the first 50 amino acids of CARMA3.
Isotype:	IgG
Specificity:	CARMA3 antibody is human specific. At least three isoforms of CARMA3 are known to exist, this antibody will only detect isoform 1. CARMA3 antibody is predicted not to cross-react with other CARMA proteins.
Purification:	CARMA3 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	CARD10
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Target Details

Alternative Name:	CARMA3 (CARD10 Products)
Background:	<p>CARMA3 Antibody: CARMA proteins belong to the membrane-associated guanylate kinase-like (MAGUK) family of proteins that can function as molecular scaffolds that assist assembly of signal transduction molecules. CARMA1, CARMA2, and CARMA3 share high degrees of sequence and functional homology, but their tissue-specific distribution suggests that they serve distinct biological functions in different cell types. As with CARMA1, the CARD domain of CARMA3 has been shown to specifically interact with BCL10, a protein known to function as a positive regulator of cell apoptosis and NF-κB activation. When expressed in cells, this protein binds to BCL10 and activates NF-κB. Recent experiments have shown that CARMA3 is required for EGF-induced NF-κB activation and contributes to tumor growth in vivo, suggesting that CARMA3 may serve as a new therapeutic target for the treatment of EGFR-driven tumors.</p>
Gene ID:	29775
NCBI Accession:	NP_055365
UniProt:	Q9BWT7
Pathways:	S100 Proteins

Application Details

Application Notes:	<p>CARMA3 antibody can be used for detection of CARMA3 by immunohistochemistry at 5 μg/mL.</p> <p>Antibody validated: Immunohistochemistry in human samples. All other applications and species not yet tested.</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	CARMA3 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C, 4 °C

Storage Comment: CARMA3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.