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CARD10 Rabbit pAb

Catalog # AP96307

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q9BWT7
Other Accession	Q9BWT7
Reactivity	Rat, Human
Predicted	Mouse, Monkey, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	115931
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CARD10
Epitope Specificity	165-248/248
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 CARD domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Membrane-associated guanylate kinase (MAGUK) family members function as molecular scaffolds for the assembly of multiprotein complexes localizing to the plasma membrane. Several mammalian proteins related to the Drosophila tumor suppressor discs-large (dlg) gene product belong to the MAGUK family, including the caspase recruitment domain (CARD) protein family with the exception of CARD9. The CARD domain consists of 6 or 7 antiparallel alpha helices. CARD family members participate in apoptosis signaling through highly specific protein-protein homophilic interactions. CARD 10 (also designated CARD-containing MAGUK protein 3 or Carma 3) interacts with BCL-10 to activate NF x B. CARD10 is expressed in a variety of adult and fetal tissues, including heart, kidney and liver, and in multiple cancer cell lines.

Additional Information

Gene ID	29775
Other Names	BIMP1; CARMA3; IMD89; caspase recruitment domain family member 10; caspase recruitment domain family, member 10
Target/Specificity	Detected in adult heart, kidney and liver; lower levels in intestine, placenta, muscle and lung. Also found in fetal lung, liver and kidney.
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CARD10
Synonyms	CARMA3
Function	Scaffold protein that plays an important role in mediating the activation of NF-kappa-B via BCL10 or EGFR.
Cellular Location	Cytoplasm.
Tissue Location	Detected in adult heart, kidney and liver; lower levels in intestine, placenta, muscle and lung. Also found in fetal lung, liver and kidney

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.