

Product Name: CARD 10 Rabbit Polyclonal Antibody
Catalog #: APRab07923



Summary

Production Name	CARD 10 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-P,IF-P,IF-F,ICC/IF,ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	CARD10
Alternative Names	CARD10; CARMA3; Caspase recruitment domain-containing protein 10; CARD-containing MAGUK protein 3; Carma 3
Gene ID	29775.0
SwissProt ID	Q9BWT7.The antiserum was produced against synthesized peptide derived from human CARD10. AA range:481-530

Application

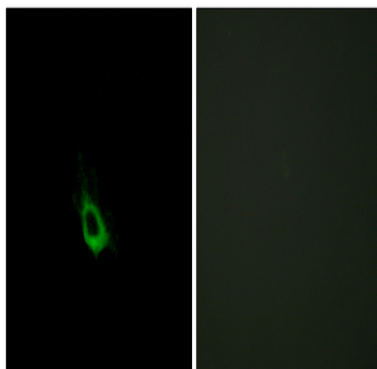
Dilution Ratio	WB 1:500-1:2000, IHC-P 1:100-1:300, IF-P/IF-F/ICC/IF 1:200-1:1000, ELISA 1:10000.Not yet tested in other applications.
Molecular Weight	120kDa

Background

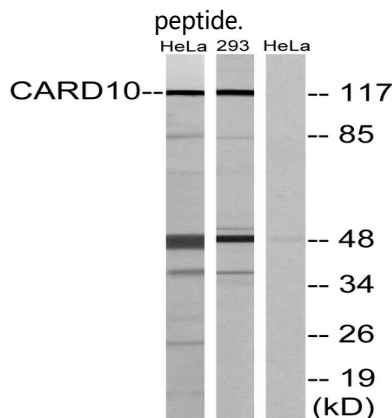
The caspase recruitment domain (CARD) is a protein module that consists of 6 or 7 antiparallel alpha helices. It participates in apoptosis signaling through highly specific protein-protein homophilic interactions. Like several other CARD proteins, CARD10 belongs to the membrane-associated guanylate kinase (MAGUK) family and activates NF-kappa-B (NFkB; see MIM 164011) through BCL10 (MIM 603517) (Wang et al., 2001 [PubMed 11259443]).[supplied by OMIM, Mar 2008],caution:Supposed to contain a SH3, a PDZ and a guanylate kinase-like domain. But none of these 3 domains are detected by PROSITE, Pfam or SMART.,function:Activates NF-kappa-B via BCL10 and IKK.,similarity:Contains 1 CARD domain.,subunit:CARD10 and BCL10 bind to each other by CARD-CARD interaction. They both participate in a complex with MALT1, where MALT1 binds to BCL10.,tissue specificity:Detected in adult heart, kidney and liver; lower levels in intestine, placenta, muscle and lung. Also found in fetal lung, liver and kidney.,

Research Area

Image Data



Immunofluorescence analysis of HeLa cells, using CARD10 Antibody. The picture on the right is blocked with the synthesized

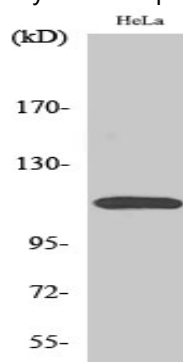


Western blot analysis of lysates from HeLa and 293 cells, using CARD10 Antibody. The lane on the right is blocked with the

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synthesized peptide.



Western Blot analysis of various cells using CARD 10 Polyclonal Antibody

Note

For research use only.