

CARD14 Polyclonal Antibody

Catalog NumberPA1-27687

Product data sheet

Details		Species Reactivity	
Size	50 µg	Species reactivity	Human
Host/Isotope	Chicken / IgY	Tested Applications	
Class	Polyclonal	Dilution *	
Type	Antibody	Western Blot (WB)	1:2,000
Immunogen	Synthetic peptide corresponding to human Caspase recruitment domain-containing protein 14.	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

PA1-27687 detects CARD14 from human samples. PA1-27687 may be successfully used in Western blot applications. By Western blot, this antibody has only been tested on fusion protein. The PA1-27943 immunogen is a synthetic peptide corresponding to human Caspase recruitment domain-containing protein 14.

Background/Target Information

Membrane-associated guanylate kinase (MAGUK) family members localize to the plasma membrane and function as molecular scaffolds for the assembly of multi-protein complexes. The MAGUK family includes several mammalian proteins related to the Drosophila tumor suppressor discs-large (dlg) gene product, such as postsynaptic proteins, GKAPs, the tight junction associated proteins (ZO-1-3) and the caspase-associated recruitment domain (CARD) proteins: CARD 6, CARD 8-12 and CARD 14. CARD 14 is a 1,004 amino acid protein consisting of an N-terminal CARD domain, a central coiled-coil domain and a C-terminal tripartite domain comprised of a PDZ domain, an Src homology 3 domain and a GUK domain with homology to guanylate kinase. CARD 14 is expressed in the placenta where it positively regulates apoptosis. CARD 14 also controls NF-kappaB activation by phosphorylating BCL10, a signaling protein that activates NF-kappaB through the I kappaB kinase complex. Epigallocatechin-3-gallate (EGCG) is a polyphenol that induces the expression of CARD 14.

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