

Datasheet for 600-401-AB6**CARD9 Antibody****Overview**

Description:	Anti-CARD9 (RABBIT) Antibody - 600-401-AB6
Item No.:	600-401-AB6
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Apoptosis is related to many diseases and development. Cell death signals are transduced by death domain (DD), death effector domain (DED), and caspase recruitment domain (CARD) containing molecules. CARD containing proteins include some caspases, Apaf-1, CARD4, IAPs, RICK, ARC, RAIDD, BCL-10, and ASC. A novel CARD-containing protein was recently identified and designated CARD9, which interacts with the CARD activation domain of BCL-10. CARD9 associates with BCL-10 and forms a complex within cells. CARD9 induces apoptosis and activates NF-kB. CARD9 is an upstream activator of BCL-10 and NF-kB signaling.
Synonyms:	CARD9 Antibody, CANDF2, hCARD9, Caspase recruitment domain-containing protein 9
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CARD9
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-CARD9 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid peptide near the C-terminus of human CARD9.

Purity/Specificity:	Anti-CARD9 Antibody is DEAE purified. Cross reactivity with CARD9 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9H257 • GeneID - 64170 • NCBI - AF311287

Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	Anti-CARD9 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 62 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:25,000
WB:	2.5 µg/mL

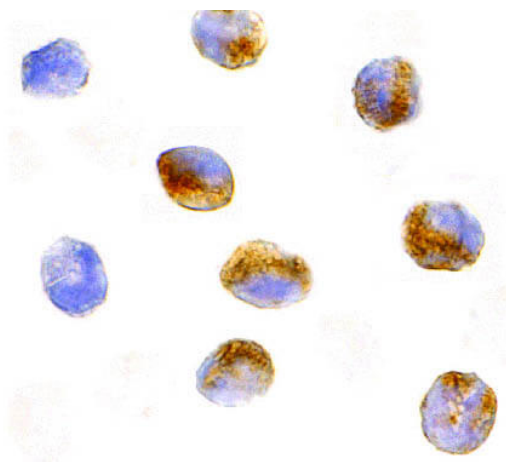
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

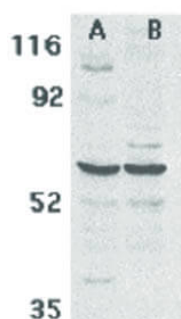
Shipping Condition:	Wet Ice
Storage Condition:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunocytochemistry

Immunocytochemistry of CARD9 antibody. Cells: K562 cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: CARD9 antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: CARD9 is cytoplasmic. Staining: CARD9 as precipitated brown signal with hematoxylin blue nuclear counterstain.



Western Blot

Western Blot of CARD9 antibody. Lane 1: Human MDA-MB-361 cell lysate. Lane 2: PC-3 cell lysate. Load: 35 µg per lane. Primary antibody: CARD9 antibody at 2.5 µg/mL for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 62.2 kDa, 67 kDa for CARD9 Other band(s): CARD9 splice variants and isoforms.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.