

**ARG44636**  
**anti-CARD9 antibody**Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody recognizes CARD9
Tested Reactivity	Hu
Tested Application	IP, WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	CARD9
Species	Human
Conjugation	Un-conjugated
Alternate Names	CARD9; Caspase Recruitment Domain Family Member 9; Caspase Recruitment Domain-Containing Protein 9; HCARD9; Caspase Recruitment Domain Family, Member 9; CANDF2; IMD103

### Application Instructions

Application table	Application	Dilution
	IP	10 µg/mL
	WB	1 µg/mL
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% sodium azide
Preservative	0.09% sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

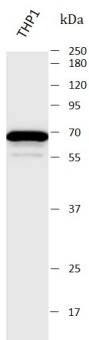
### Bioinformation

Gene Symbol	CARD9
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Gene Full Name	Caspase Recruitment Domain Family Member 9
Background	The protein encoded by this gene is a member of the CARD protein family, which is defined by the presence of a characteristic caspase-associated recruitment domain (CARD). CARD is a protein interaction domain known to participate in activation or suppression of CARD containing members of the caspase family, and thus plays an important regulatory role in cell apoptosis. This protein was identified by its selective association with the CARD domain of BCL10, a postive regulator of apoptosis and NF-kappaB activation, and is thought to function as a molecular scaffold for the assembly of a BCL10 signaling complex that activates NF-kappaB. Several alternatively spliced transcript variants have been observed, but their full-length nature is not clearly defined. [provided by RefSeq, Jul 2008]
Function	In response to L.monocytogenes infection, required for the production of inflammatory cytokines activated by intracellular peptidoglycan: acts by connecting NOD2 recognition of peptidoglycan to downstream activation of MAP kinases (MAPK) without activating NF-kappa-B. [UniProt]
Calculated Mw	62 kDa
PTM	Isopeptide bond, Phosphoprotein, Ubl conjugation. [UniProt]
Cellular Localization	Cytoplasm. [UniProt]

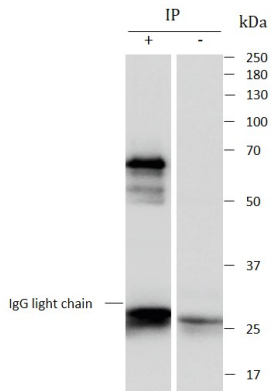
Images

ARG44636 anti-CARD9 antibody WB image



Western blot: THP1 stained with ARG44636 anti-CARD9 antibody at 1 µg/mL dilution.

ARG44636 anti-CARD9 antibody IP image



Immunoprecipitation: THP1 lysate immunoprecipitated with 2.5 µg of ARG44636 anti-CARD9 antibody.