CARMA1 Antibody

Catalog No: #24207

Orders: order@signalwayantibody.com
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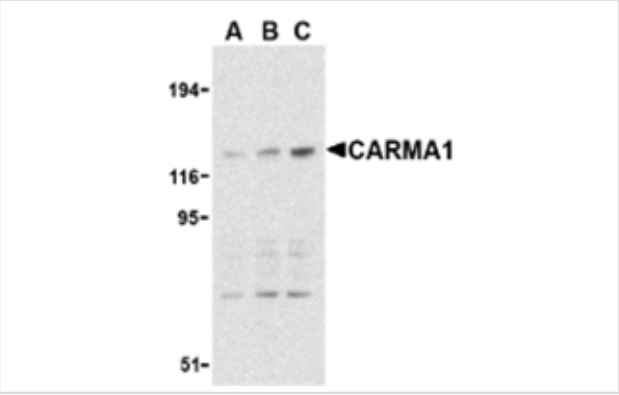
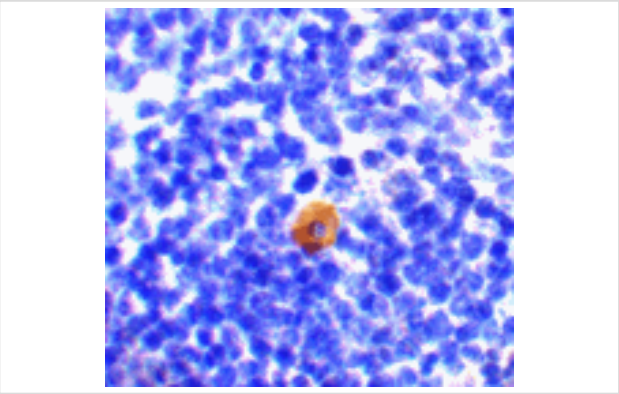
Description

Product Name	CARMA1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms
Immunogen Type	Peptide
Immunogen Description	Raised against a synthetic peptide corresponding to amino acids at the C-terminus of human CARMA1.
Target Name	CARMA1
Accession No.	Q9BXL7
Uniprot	Q9BXL7
GeneID	84433;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of CARMA1 expression in mouse thymus cell lysate with CARMA1 antibody at 0.5 (lane A), 1 (lane B), and 2 ug /ml (lane C), respectively.



Immunohistochemistry of CARMA1 in mouse thymus with CARMA1 antibody at 10 ug/mL.

Background

CARMA proteins belong to the membrane-associated guanylate kinase-like (MAGUK) family of proteins that can function as molecular scaffolds that assist assembly of signal transduction molecules. CARMA1, CARMA2, and CARMA3 share high degrees of sequence and functional homology, but their tissue-specific distribution suggests that they serve distinct biological functions in different cell types. Both CARMA1 and CARMA3 associate with NEMO, the regulatory subunit of the IκK complex, thereby regulating activation of the NF-κB transcription factor. Also, gene inactivation studies showed a complete block in T and B cell immunity as well as an impaired response to LPS, indicating that CARMA1 is a critical regulator in both the adaptive and innate immune systems.

Note: This product is for in vitro research use only