

**CARD11 (Phospho Ser652) rabbit pAb**

<b>Catalog No :</b>	YP1286
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB
<b>Target :</b>	CARD11
<b>Fields :</b>	>>NF-kappa B signaling pathway;>>T cell receptor signaling pathway;>>B cell receptor signaling pathway
<b>Gene Name :</b>	CARD11 CARMA1
<b>Protein Name :</b>	CARD11 (Ser652)
<b>Human Gene Id :</b>	84433
<b>Human Swiss Prot No :</b>	Q9BXL7
<b>Mouse Gene Id :</b>	108723
<b>Mouse Swiss Prot No :</b>	Q8CIS0
<b>Immunogen :</b>	Synthesized phospho peptide around human CARD11 (Ser652)
<b>Specificity :</b>	This antibody detects endogenous levels of Human Mouse Rat CARD11 (phospho-Ser652)
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:1000-2000
<b>Purification :</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Concentration :</b>	1 mg/ml

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**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

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**Observed Band :** 130kD

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**Cell Pathway :** T\_Cell\_Receptor;B\_Cell\_Antigen;

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**Background :** The protein encoded by this gene belongs to the membrane-associated guanylate kinase (MAGUK) family, a class of proteins that functions as molecular scaffolds for the assembly of multiprotein complexes at specialized regions of the plasma membrane. This protein is also a member of the CARD protein family, which is defined by carrying a characteristic caspase-associated recruitment domain (CARD). This protein has a domain structure similar to that of CARD14 protein. The CARD domains of both proteins have been shown to specifically interact with BCL10, a protein known to function as a positive regulator of cell apoptosis and NF-kappaB activation. When expressed in cells, this protein activated NF-kappaB and induced the phosphorylation of BCL10. [provided by RefSeq, Jul 2008],

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**Function :** caution:Supposed to contain a SH3 domain which is not detected by PROSITE, Pfam or SMART.,function:Activates NF-kappa-B via BCL10 and IKK. Stimulates the phosphorylation of BCL10.,similarity:Contains 1 CARD domain.,similarity:Contains 1 guanylate kinase-like domain.,similarity:Contains 1 PDZ (DHR) domain.,subunit:CARD11 and BCL10 bind to each other by CARD-CARD interaction.,tissue specificity:Detected in adult peripheral blood leukocytes, thymus, spleen and liver. Also found in promyelocytic leukemia HL-60 cells, chronic myelogenous leukemia K562 cells, Burkitt's lymphoma Raji cells and colorectal adenocarcinoma SW480 cells. Not detected in HeLa S3, Molt-4, A549 and G431 cells.,

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**Subcellular Location :** Cytoplasm . Membrane raft . Colocalized with DPP4 in membrane rafts. .

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