

CARD11 (Phospho Ser652) rabbit pAb

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

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

Observed Band : 130kD

Cell Pathway : T_Cell_Receptor;B_Cell_Antigen;

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],

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.,

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

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