Immunoway
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# CARD11 (Phospho Ser652) rabbit pAb

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| **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 phosho 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. .

**Expression :** Detected in adult peripheral blood leukocytes, thymus, spleen and liver. Also found in promyelocytic leukemia HL-60 cells, chronic myelogenous leukemia K-562 cells, Burkitt's lymphoma Raji cells and colorectal adenocarcinoma SW480 cells. Not detected in HeLaS3, MOLT-4, A-549 and G431 cells.

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