

**CARD11 (Phospho Ser652) rabbit pAb**

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|------------------------------|---|
| <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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| <b>Storage Stability :</b>    | <u>-15 °C to -25 °C/1 year(Do not lower than -25 °C)</u>  |
| <b>Observed Band :</b>        | <u>130kD</u>  |
| <b>Cell Pathway :</b>         | <u>T_Cell_Receptor;B_Cell_Antigen;</u>  |
| <b>Background :</b>           | <p>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],</p> |
| <b>Function :</b>             | <p>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.,</p>  |
| <b>Subcellular Location :</b> | <u>Cytoplasm . Membrane raft . Colocalized with DPP4 in membrane rafts. .</u>   |
| <b>Expression :</b>           | <p>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.</p>  |

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