



CARD11 (phospho-Ser652) rabbit pAb

Catalog No	YP-Ab-12668
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CARD11 CARMA1
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
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:1000-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	618L17Rik;24111D2Rik;Bcl1 interacting maguk protein 3;BIMP 3;BIMP3; CAR11_HUMAN;CARD 11;CARD containing MAGUK protein 3;Card maguk protein 1;CARD-containing MAGUK protein 1;CARD11;CARD11 protein;Carma 1;CARMA1;Caspase recruitment domain containing protein 11;Caspase recruitment domain family member 11;Caspase recruitment domain-containing protein 11;MGC13369;CARD11 CARMA1;CARD11 (Ser652);Caspase recruitment domain-containing protein 11 (CARD-containing MAGUK protein 1) (Carma 1)
Observed Band	130kD
Calculated Molecular Weight	13kDa; 133kD(Calculated).
Cell Pathway	Cytoplasm . Membrane raft . Colocalized with DPP4 in membrane rafts. .
Tissue Specificity	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.



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.,

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],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images