



# Anti-CARD11 (aa 481-580) polyclonal antibody (DPAB-DC3478)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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- <i>kappa</i> B activation. When expressed in cells, this protein activated NF- <i>kappa</i> B and induced the phosphorylation of BCL10.
<b>Immunogen</b>	CARD11 (NP_115791, 481 a.a. ~ 580 a.a) partial recombinant protein with GST tag. The sequence is  KYFLPYHPPQRRMNLKGQLQRAKSPISLKRTSDFQAKGHEEGTDASPSSCGSLPITNS FTKMQPPRSRSSIMSITAEPGNDSIVRRYKEDAPHRSTV
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">CARD11 caspase recruitment domain family, member 11 [ Homo sapiens (human) ]</a>
Official Symbol	CARD11
Synonyms	CARD11; caspase recruitment domain family, member 11; PPBL; BENTA; BIMP3; IMD11; CARMA1; caspase recruitment domain-containing protein 11; carma 1; CARD-containing MAGUK protein 1; bcl10-interacting maguk protein 3;
Entrez Gene ID	<a href="#">84433</a>
Protein Refseq	<a href="#">NP_115791</a>
UniProt ID	<a href="#">A0A024R854</a>
Chromosome Location	7p22
Pathway	Activation of NF-kappaB in B cells; B Cell Receptor Signaling Pathway; BCR signaling pathway; Downstream signaling events of B Cell Receptor (BCR).
Function	CARD domain binding; guanylate kinase activity; protein binding;