

CARD14 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant CARD14.****Catalog # AT1396a****Specification**

CARD14 Antibody (monoclonal) (M01) - Product Information

Application	E
Primary Accession	O9BXL6
Other Accession	NM_024110
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	113270

CARD14 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 79092**Other Names**

Caspase recruitment domain-containing protein 14, CARD-containing MAGUK protein 2, Carma 2, CARD14, CARMA2

Target/Specificity

CARD14 (NP_077015, 905 a.a. ~ 1004 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

CARD14 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

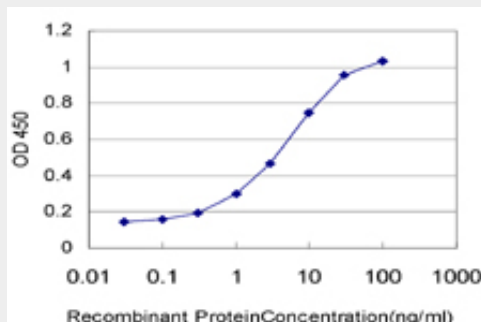
CARD14 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

CARD14 Antibody (monoclonal) (M01) - Images



Detection limit for recombinant GST tagged CARD14 is approximately 0.1ng/ml as a capture antibody.

CARD14 Antibody (monoclonal) (M01) - 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 shares a similar domain structure with CARD11 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. Two alternatively spliced variants of this gene encoding distinct isoforms have been reported.

CARD14 Antibody (monoclonal) (M01) - References

New genetic associations detected in a host response study to hepatitis B vaccine. Davila S, et al. *Genes Immun*, 2010 Apr. PMID 20237496. Association of genetic variants with hemorrhagic stroke in Japanese individuals. Yoshida T, et al. *Int J Mol Med*, 2010 Apr. PMID 20198315. Assessment of a polymorphism of SDK1 with hypertension in Japanese Individuals. Oguri M, et al. *Am J Hypertens*, 2010 Jan. PMID 19851296. Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. *Mol Cell Proteomics*, 2008 Mar. PMID 18029348. Towards a proteome-scale map of the human protein-protein interaction network. Rual JF, et al. *Nature*, 2005 Oct 20. PMID 16189514.