

CARD14 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51033

Product Information

Application	WB, ICC, IHC-P
Primary Accession	Q9BXL6
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	113270

Additional Information

Gene ID	79092
Other Names	Caspase recruitment domain-containing protein 14, CARD-containing MAGUK protein 2, Carma 2, CARD14, CARMA2
Dilution	WB~~1:1000 ICC~~N/A IHC-P~~N/A
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	CARD14
Synonyms	CARMA2
Function	Acts as a scaffolding protein that can activate the inflammatory transcription factor NF-kappa-B and p38/JNK MAP kinase signaling pathways. Forms a signaling complex with BCL10 and MALT1, and activates MALT1 proteolytic activity and inflammatory gene expression. MALT1 is indispensable for CARD14-induced activation of NF-kappa-B and p38/JNK MAP kinases (PubMed: 11278692 , PubMed: 21302310 , PubMed: 27071417 , PubMed: 27113748). May play a role in signaling mediated by TRAF2, TRAF3 and TRAF6 and protects cells against apoptosis.
Cellular Location	[Isoform 1]: Cytoplasm [Isoform 3]: Cytoplasm
Tissue Location	Isoform 1 is detected in placenta and epidermal keratinocytes (PubMed:22521418). Isoform 2 is detected in leukocytes and fetal brain (PubMed:22521418).

Background

Plays a role in signaling mediated by TRAF2, TRAF3 and TRAF6 and protects cells against apoptosis. Activates NF-kappa-B via BCL10 and IKK. Stimulates the phosphorylation of BCL10.

References

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Scudiero I.,et al.J. Cell. Physiol. 226:3121-3131(2011).
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