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# Datasheet for ABIN7148511 anti-CPNE1 antibody (AA 326-537)

Image



### Overview

Quantity:	100 µL
Target:	CPNE1
Binding Specificity:	AA 326-537
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CPNE1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

## Product Details

Immunogen:	Recombinant Human Copine-1 protein (326-537AA)
lsotype:	lgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

## Target Details

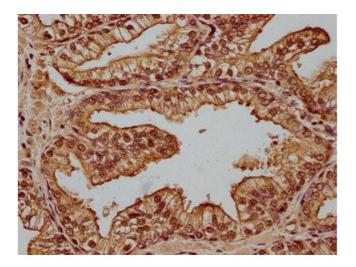
Target:	CPNE1
Alternative Name:	CPNE1 (CPNE1 Products)
Background:	Background: Calcium-dependent phospholipid-binding protein that plays a role in calcium-
	mediated intracellular processes (PubMed:14674885). Involved in the TNF-alpha receptor

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	signaling pathway in a calcium-dependent manner (PubMed:14674885). Exhibits calcium-
	dependent phospholipid binding properties (PubMed:9430674, PubMed:19539605). Plays a role
	in neuronal progenitor cell differentiation, induces neurite outgrowth via a AKT-dependent
	signaling cascade and calcium-independent manner (PubMed:23263657, PubMed:25450385).
	May recruit target proteins to the cell membrane in a calcium-dependent manner
	(PubMed:12522145). May function in membrane trafficking (PubMed:9430674). Involved in
	TNF-alpha-induced NF-kappa-B transcriptional repression by inducing endoprotease
	processing of the transcription factor NF-kappa-B p65/RELA subunit (PubMed:18212740). Also
	induces endoprotease processing of NF-kappa-B p50/NFKB1, p52/NFKB2, RELB and REL
	(PubMed:18212740).
	Aliases: Copine 1 antibody, Copine I antibody, Copine-1 antibody, Copine1 antibody, Copinel
	antibody, COPN 1 antibody, COPN1 antibody, CPN 1 antibody, CPN1 antibody, CPNE 1 antibody,
	CPNE1 antibody, CPNE1_HUMAN antibody, MGC1142 antibody
UniProt:	Q99829

# Application Details

Application Notes:	Recommended dilution: IHC:1:20-1:200,
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300
	Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be
	handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



#### Immunohistochemistry

**Image 1.** IHC image of ABIN7148511 diluted at 1:100 and staining in paraffin-embedded human prostate cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

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