

Product datasheet for **TA345867**

CPNE1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-CPNE1 antibody: synthetic peptide directed towards the N terminal of human CPNE1. Synthetic peptide located within the following region: TVQKLRFGIYDIDNKTPELRDDDFLGGAECSLGQIVSSQVLTPLMLKPG
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	59 kDa
Gene Name:	copine 1
Database Link:	NP_003906 Entrez Gene 8904 Human Q99829



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Background:

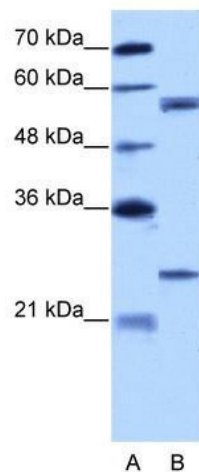
Calcium-dependent membrane-binding proteins may regulate molecular events at the interface of the cell membrane and cytoplasm. CPNE1 is a calcium-dependent protein that also contains two N-terminal type II C2 domains and an integrin A domain-like sequence in the C-terminus. However, the protein does not contain a predicted signal sequence or transmembrane domains. This protein has a broad tissue distribution and it may function in membrane trafficking. Calcium-dependent membrane-binding proteins may regulate molecular events at the interface of the cell membrane and cytoplasm. This gene encodes a calcium-dependent protein that also contains two N-terminal type II C2 domains and an integrin A domain-like sequence in the C-terminus. However, the encoded protein does not contain a predicted signal sequence or transmembrane domains. This protein has a broad tissue distribution and it may function in membrane trafficking. This gene and the gene for RNA binding motif protein 12 overlap at map location 20q11.21. Sequence analysis identified multiple alternatively spliced variants in the 5' UTR. All variants encode the same protein.

Synonyms:

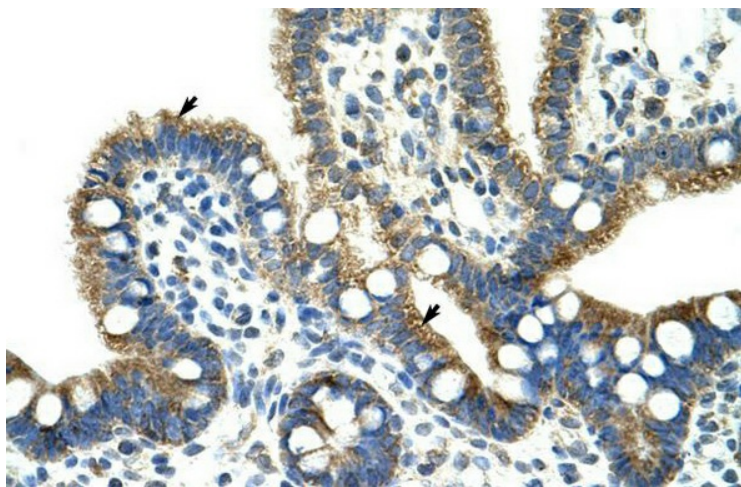
COPN1; CPN1

Note:

Immunogen Sequence Homology: Human: 100%; Dog: 93%; Pig: 93%; Rat: 93%; Horse: 93%; Mouse: 93%; Sheep: 93%; Bovine: 93%; Rabbit: 93%; Guinea pig: 93%; Zebrafish: 79%

Product images:

WB Suggested Anti-CPNE1 Antibody Titration: 5.0 ug/ml; Positive Control: HepG2 cell lysate CPNE1 is supported by BioGPS gene expression data to be expressed in HepG2



Rabbit Anti-CPNE1 Antibody; Paraffin Embedded Tissue: Human Intestine; Cellular Data: Epithelial cells of intestinal villas; Antibody Concentration: 4.0-8.0 ug/ml; Magnification: 400X