

Datasheet for ABIN2784976

## anti-Copine IV antibody (N-Term)



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### 1 Image

#### Overview

Quantity:	100 µL
Target:	Copine IV (CPNE4)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Copine IV antibody is un-conjugated
Application:	Western Blotting (WB)

#### Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human CPNE4
Sequence:	EADFLGGMEC TLGQIVSQRK LSKSLLKHGN TAGKSSITVI AEELSGNDDY
Predicted Reactivity:	Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against CPNE4. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

#### Target Details

Target:	Copine IV (CPNE4)
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## Target Details

Alternative Name:	CPNE4 ( <a href="#">CPNE4 Products</a> )
Background:	<p>Calcium-dependent membrane-binding proteins may regulate molecular events at the interface of the cell membrane and cytoplasm. This gene is one of several genes that encode a calcium-dependent protein containing two N-terminal type II C2 domains and an integrin A domain-like sequence in the C-terminus. Calcium-dependent membrane-binding proteins may regulate molecular events at the interface of the cell membrane and cytoplasm. This gene is one of several genes that encode a calcium-dependent protein containing two N-terminal type II C2 domains and an integrin A domain-like sequence in the C-terminus.</p> <p>Alias Symbols: COPN4, CPN4, MGC15604</p> <p>Protein Interaction Partner: UBE2O, CEP162, MYCBP, PITPNM2, CCDC22, BCOR, CPNE1, UBE2M, BICD1, PDCD6, PPP5C, SPTBN1, RDX, MAP2K1, SKIL, ACTB, Cdc42bpb, EtI4, Cenpf, Mycbp2, Bcd2, Alg2, Nono,</p> <p>Protein Size: 557</p>
Molecular Weight:	62 kDa
Gene ID:	131034
NCBI Accession:	<a href="#">NM_130808</a> , <a href="#">NP_570720</a>
UniProt:	<a href="#">Q96A23</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 557 AA
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images



Western Blotting

**Image 1. WB Suggested Anti-CPNE4 Antibody Titration:**  
0.2-1 ug/ml  
**ELISA Titer:** 1:62500  
**Positive Control:** OVCAR-3 cell lysate