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anti-Copine IV antibody (N-Term)



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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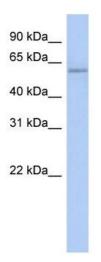
Target Details

Alternative Name:	CPNE4 (CPNE4 Products)
Background:	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.
	Alias Symbols: COPN4, CPN4, MGC15604
	Protein Interaction Partner: UBE20, CEP162, MYCBP, PITPNM2, CCDC22, BCOR, CPNE1,
	UBE2M, BICD1, PDCD6, PPP5C, SPTBN1, RDX, MAP2K1, SKIL, ACTB, Cdc42bpb, Etl4, Cenpf,
	Mycbp2, Bicd2, Alg2, Nono,
	Protein Size: 557
Molecular Weight:	62 kDa
Gene ID:	131034
NCBI Accession:	NM_130808, NP_570720
UniProt:	Q96A23
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