SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CPNE3 antibody

Catalog Number: SL14027R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CPNE3
Immunogen:	KLH conjugated synthetic peptide derived from human CPNE3: 201-300/537
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Dog, Cow, Horse, Rabbit, Sheep)
Predicted MW.:	60kDa
Subcellular Location:	The cell membrane
Background:	Copine 3 is a member of the copine family of evolutionarily conserved, soluble, calcium-dependent, membrane-binding proteins. Members of the copine family are involved in signal transduction and membrane trafficking. Copine 3 is ubiquitously expressed and contains two N-terminal C2 domains and one C-terminal VWFA (von Willebrand factor A) domain, which is also referred to as the A domain or the core domain. As is characteristic of the copine family, copine 3 functions in membrane trafficking and is capable of binding phospholipids in a calcium-dependent manner. Differing from other members of the copine family, copine 3 may possess some intrinsic kinase activity. Copine 3 exists as a monomer in the cytosol and undergoes a conformational change upon binding to calcium.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Function: May function in membrane trafficking. Exhibits calcium-dependent phospholipid binding properties. **Tissue Specificity:** Ubiquitous. **Post-translational modifications:** Phosphorylated on serine and threonine residues. **Similarity:** Belongs to the copine family. Contains 2 C2 domains. Contains 1 VWFA domain. **Database links:** **Entrez Gene:** 8895 Human **Entrez Gene:** 615304 Cow **Entrez Gene:** 70568 Mouse Omim: 604207 Human **SwissProt:** O75131 Human **SwissProt:** Q8BT60 Mouse **Unigene:** 191219 Human **Unigene:** 38390 Mouse

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