SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
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www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-CPNE1 antibody

Catalog Number: SL14024R

FOR RESEARCH USE ONLY

[DATASHEET]

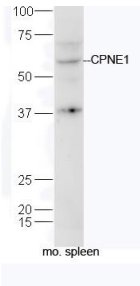
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CPNE1
Immunogen:	KLH conjugated synthetic peptide derived from human CPNE1: 1-120/537
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human, Mouse, (predicted: Rat, Pig, Cow, Sheep)
Predicted MW.:	59kDa
Subcellular Location:	The cell membrane
Background:	Copine I 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 I 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 I functions in membrane trafficking and is capable of binding phospholipids in a calcium-dependent manner. Copine I is also able to bind liposomes. Via its VWFA domain, copine I directly interacts with the ubiquitin-conjugating enzyme, UBC12, and may play a role in the regulation of TNF alpha-signaling. **Function:** May function in membrane trafficking. Exhibits calcium-dependent

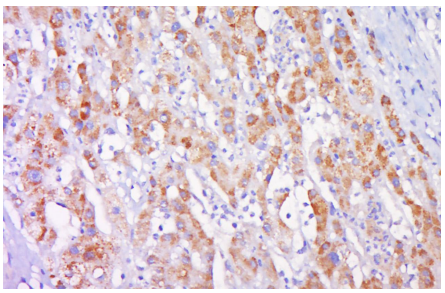
Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	phospholipid binding properties. **Subunit:** Interacts with CCDC22. **Similarity:** Belongs to the copine family. Contains 2 C2 domains. Contains 1 VWFA domain. **Database links:** **Entrez Gene:** 615677 Cow **Entrez Gene:** 477213 Dog **Entrez Gene:** 8904 Human **Entrez Gene:** 266692 Mouse **Entrez Gene:** 100233174 Pig **Entrez Gene:** 100328904 Rabbit Omim: 604205 Human **SwissProt:** Q99829 Human **SwissProt:** Q8C166 Mouse **Unigene:** 246413 Human **Unigene:** 700188 Human **Unigene:** 27660 Mouse

[VALIDATION IMAGES]





Protein: spleen(mouse) lysate at 40ug;
Primary: rabbit Anti-CPNE1 (SL14024R) at 1:300;
Secondary: HRP conjugated Goat-Anti-rabbit IgG(SL0295G-HRP) at 1: 5000;
Predicted band size: 59 kD
Observed band size: 59 kD

Tissue/cell: human liver carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min;
Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-CPNE1 Polyclonal Antibody, Unconjugated(SL14024R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

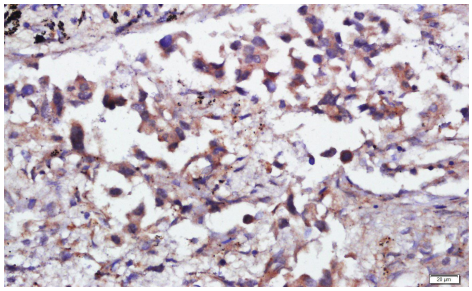
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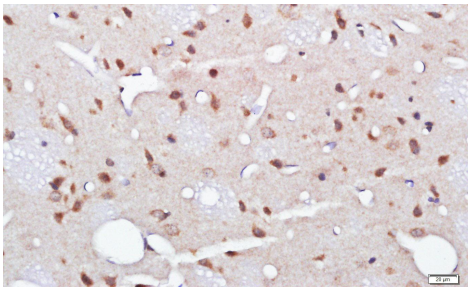
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Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-CPNE1 Polyclonal Antibody, Unconjugated(SL14024R) 1:400, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: Rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-CPNE1 Polyclonal Antibody, Unconjugated(SL14024R) 1:400, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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