

CPNE2 Rabbit pAb

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Catalog # AP55387

Product Information

Application	WB
Primary Accession	Q96FN4
Reactivity	Mouse
Predicted	Rat, Pig, Dog, Human, Rabbit, Chicken, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	61190
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CPNE2
Epitope Specificity	81-180/548
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. Sequence analysis identified multiple alternatively spliced transcript variants but their full-length natures could not be determined. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	221184
Other Names	Copine-2, Copine II, CPNE2 (HGNC:2315)
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

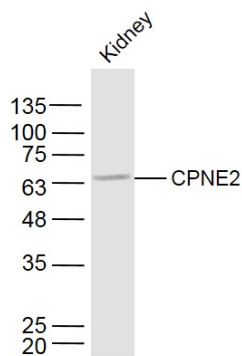
Name	CPNE2 (HGNC:2315)
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Function	Calcium-dependent phospholipid-binding protein that plays a role in calcium-mediated intracellular processes. Exhibits calcium- dependent cell membrane binding properties.
Cellular Location	Cytoplasm {ECO:0000250 UniProtKB:P59108}. Nucleus {ECO:0000250 UniProtKB:P59108}. Cell membrane {ECO:0000250 UniProtKB:P59108}. Note=Translocates to the cell membrane and the nucleus in a calcium-dependent manner. Colocalizes with CD2 at the cell membrane. {ECO:0000250 UniProtKB:P59108}
Tissue Location	Expressed in the brain. Expressed in neutrophil precursors from the bone marrow and peripheral blood (PubMed:12949241)

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Images



Sample:
 Kidney (Mouse) Lysate at 40 ug
 Primary: Anti- CPNE2 (AP55387) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 61 kD
 Observed band size: 61 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.