

# CPNE1 antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI11757

## Product Information

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Application	WB
Primary Accession	<a href="#">Q99829</a>
Other Accession	<a href="#">NM_003915</a> , <a href="#">NP_003906</a>
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Horse, Bovine, Sheep
Predicted	Human, Mouse, Rabbit, Zebrafish, Pig, Chicken, Dog, Horse, Bovine, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59059

## Additional Information

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Gene ID	8904
Alias Symbol	COPN1, CPN1, MGC1142
Other Names	Copine-1, Copine I, CPNE1, CPN1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-CPNE1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	CPNE1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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Name	CPNE1 ( <a href="#">HGNC:2314</a> )
Synonyms	CPN1
Function	Calcium-dependent phospholipid-binding protein that plays a role in calcium-mediated intracellular processes (PubMed: <a href="#">14674885</a> ). Involved in the TNF-alpha receptor signaling pathway in a calcium- dependent manner (PubMed: <a href="#">14674885</a> ). Exhibits calcium-dependent phospholipid binding properties (PubMed: <a href="#">19539605</a> , PubMed: <a href="#">9430674</a> ). Plays a role in neuronal progenitor cell differentiation; induces neurite outgrowth via a AKT-dependent signaling cascade and calcium- independent manner (PubMed: <a href="#">23263657</a> , PubMed: <a href="#">25450385</a> ). May recruit target proteins to the cell membrane in a calcium-dependent manner (PubMed: <a href="#">12522145</a> ). May

function in membrane trafficking (PubMed:[9430674](#)). Involved in TNF-alpha-induced NF-kappa-B transcriptional repression by inducing endoprotease processing of the transcription factor NF-kappa-B p65/RELA subunit (PubMed:[18212740](#)). Also induces endoprotease processing of NF-kappa-B p50/NFKB1, p52/NFKB2, RELB and REL (PubMed:[18212740](#)).

#### Cellular Location

Nucleus. Cytoplasm. Cell membrane Note=Translocates to the cell membrane in a calcium-dependent manner (PubMed:21087455, PubMed:25450385).

#### Tissue Location

Expressed in neutrophils (at protein level) (PubMed:12949241). Widely expressed. Expressed in the brain. Expressed in neutrophil precursors from bone marrow and peripheral blood (PubMed:12949241).

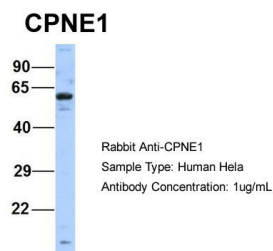
## References

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Ma,J., (2007) Atherosclerosis 191 (1), 63-72 Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

## Images

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Host:Rabbit

Target Name:CPNE1

Sample Tissue:Human HeLa

Antibody Dilution: 1.0µg/mlCPNE1 is supported by BioGPS gene expression data to be expressed in HeLa

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