



CPNE1 Mouse mAb

Catalog No	YP-mAb-18739
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CPNE1 CPN1
Immunogen	Synthesized peptide derived from human CPNE1
Specificity	This antibody detects endogenous levels of CPNE1 at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Copine 1;Copine I;Copine-1;Copine1;Copinel;COPN 1;COPN1;CPN 1;CPN1;CPNE 1;CPNE1;CPNE1_HUMAN;MGC1142;CPNE1 CPN1;Copine-1 (Copine I)
Observed Band	59kD
Calculated Molecular Weight	59 kDa; 59kD(Calculated).
Cell Pathway	Nucleus . Cytoplasm . Cell membrane . Translocates to the cell membrane in a calcium-dependent manner (PubMed:21087455, PubMed:25450385). .
Tissue Specificity	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).
Function	Calcium-dependent phospholipid-binding protein that plays a role in calcium-mediated intracellular processes . Involved in the TNF-alpha receptor signaling pathway in a calcium-dependent manner . Exhibits calcium-dependent phospholipid binding properties . Plays a role in neuronal progenitor cell differentiation; induces neurite outgrowth via a AKT-dependent signaling cascade and calcium-independent manner . May recruit target proteins to the cell membrane in a calcium-dependent manner . May function in membrane trafficking . Involved in TNF-alpha-induced NF-kappa-B transcriptional repression by inducing endoprotease processing of the transcription factor NF-



kappa-B p65/RELA subunit . Also induces endoprotease processing of NF-kappa-B p50/NFKB1, p52/NFKB2, RELB and REL .

Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images