CPNE3 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CPNE3, Monoclonal Antibody
Full Product Name	CPNE3 (Copine III, CPN3, KIAA0636, PRO1071) (MaxLight 650)
Product Gene Name	anti-CPNE3 antibody
Product Synonym Names	Copine III; CPN3; KIAA0636; PRO1071
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	4F4
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified
Specificity	Recognizes CPNE3.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	60,131 Da
3D Structure	ModBase 3D Structure for O75131
Immunogen	CPNE3 (NP_003900.1, 164aa-244aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	EFHKQTSDGNWLMVHRTEVVKNNLNPVWRPFKISLNSLCYGDMDKTIKVECYDYDNDGSHDLIGTFQTTMTKLKEASRSSP
Conjugate	MaxLight650
Product Categories/Family for anti-CPNE3 antibody	Antibodies; Binding Proteins
Applications Tested/Suitable for anti-CPNE3 antibody	Western Blot (WB)
Application Notes for anti-CPNE3 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CPNE3 antibody	Calcium-dependent membrane-binding proteins may regulate molecular events at the interface of the cell membrane and cytoplasm. This gene encodes a protein which contains two type II C2 domains in the amino-terminus and an A domain-like sequence in the carboxy-terminus. The A domain mediates interactions between integrins and extracellular ligands. [provided by RefSeq]
Other Notes	Small volumes of anti-CPNE3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CPNE3 purchase	MBS6227066 is an antibody targeting CPNE3. Also known as CPNE3 (Copine III, CPN3, KIAA0636, PRO1071) (MaxLight 650). Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CPNE3. It may not necessarily be applicable to this product.

NCBI GI #	4503015
NCBI GeneID	8895
NCBI Accession #	NP_003900.1
UniProt Primary Accession #	O75131
UniProt Secondary Accession #	Q8IYA1; A8KA47
UniProt Related Accession #	O75131
GenBank Nucleotide #	NM_003909.4
NCBI Official Full Name	copine-3
NCBI Official Synonym Full Names	copine 3
NCBI Official Symbol	CPNE3
NCBI Official Synonym Symbols	CPN3; PRO1071
UniProt Protein Name	Copine-3
UniProt Synonym Protein Names	Copine III
Protein Family	Copine
UniProt Gene Name	CPNE3
UniProt Synonym Gene Names	CPN3; KIAA06361 PublicationManual assertion based on opinion iniRef.2
NCBI Protein Information	copine-3
UniProt Comments for CPNE3	Calcium-dependent phospholipid-binding protein that plays a role in ERBB2-mediated tumor cell migration in response to growth factor heregulin stimulation (PubMed:20010870).
Research Articles on CPNE3	**1.** CPNE3(high) is an adverse prognostic biomarker for acute myeloid leukemia.
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Online datasheet: https://www.mybiosource.com/monoclonal-antibody/cpne3/6227066