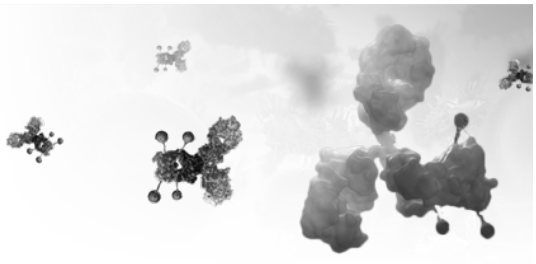

PICALM blocking peptide (CDBP5916)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a clathrin assembly protein, which recruits clathrin and adaptor protein complex 2 (AP2) to cell membranes at sites of coated-pit formation and clathrin-vesicle assembly. The protein may be required to determine the amount of membrane to be recycled, possibly by regulating the size of the clathrin cage. The protein is involved in AP2-dependent clathrin-mediated endocytosis at the neuromuscular junction. A chromosomal translocation t(10; 11)(p13; q14) leading to the fusion of this gene and the MLLT10 gene is found in acute lymphoblastic leukemia, acute myeloid leukemia and malignant lymphomas. The polymorphisms of this gene are associated with the risk of Alzheimer disease. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2011]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	PICALM phosphatidylinositol binding clathrin assembly protein [Homo sapiens (human)]
Official Symbol	PICALM

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Synonyms	PICALM; phosphatidylinositol binding clathrin assembly protein; LAP; CALM; CLTH; phosphatidylinositol-binding clathrin assembly protein; clathrin assembly lymphoid myeloid leukemia protein
Entrez Gene ID	8301
mRNA Refseq	NM_001008660
Protein Refseq	NP_001008660
UniProt ID	Q13492
Pathway	Clathrin derived vesicle budding; Golgi Associated Vesicle Biogenesis; Membrane Trafficking; trans-Golgi Network Vesicle Budding
Function	1-phosphatidylinositol binding; clathrin adaptor activity; clathrin binding; clathrin binding; clathrin binding; clathrin heavy chain binding; protein binding

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