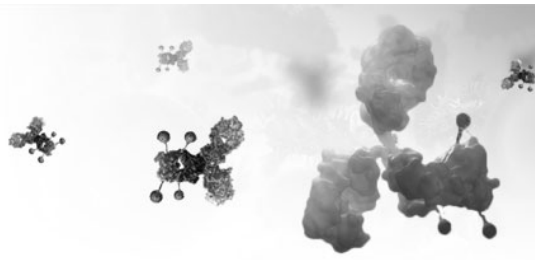

Anti-CERK monoclonal antibody (DCABH-10989)

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

PRODUCT INFORMATION

Antigen Description	CERK converts ceramide to ceramide 1-phosphate (C1P), a sphingolipid metabolite. Both CERK and C1P have been implicated in various cellular processes, including proliferation, apoptosis, phagocytosis, and inflammation (Kim et al., 2006 [PubMed 16488390]).
Immunogen	A synthetic peptide of human CERK is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	CERK ceramide kinase [Homo sapiens]
Official Symbol	CERK

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Synonyms	CERK; ceramide kinase; dA59H18.2; dA59H18.3; DKFZp434E0211; FLJ21430; FLJ23239; hCERK; KIAA1646; LK4; lipid kinase 4; lipid kinase LK4; acylsphingosine kinase; MGC131878;
Entrez Gene ID	64781
Protein Refseq	NP_073603
UniProt ID	A0A024R4U8
Chromosome Location	22q13.31
Pathway	Glycosphingolipid metabolism, organism-specific biosystem; Integrated Breast Cancer Pathway, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Sphingolipid metabolism, organism-specific biosystem; Sphingolipid metabolism, conserved biosystem.
Function	ATP binding; ceramide kinase activity; diacylglycerol kinase activity; magnesium ion binding; nucleotide binding; transferase activity;

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