



CERK mouse mAb

Catalog No	YP-mAb-18247
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CERK KIAA1646
Immunogen	Synthesized peptide derived from human CERK
Specificity	This antibody detects endogenous levels of CERK at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Acylsphingosine kinase;ceramide kinase;CERK;dA59H18.2;dA59H18.3;hCERK; KIAA1646;Lipid kinase 4;LK4;CERK KIAA1646;Ceramide kinase (hCERK) (EC 2.7.1.138) (Acylsphingosine kinase) (Lipid kinase 4) (LK4)
Observed Band	38 kDa
Calculated Molecular Weight	537 aa, 60 kDa, 38 kDa
Cell Pathway	Cytoplasm . Cell membrane ; Peripheral membrane protein .
Tissue Specificity	High level expression in heart, brain, skeletal muscle, kidney and liver; moderate in peripheral blood leukocytes and thymus; very low in spleen, small intestine, placenta and lung.
Function	Catalyzes specifically the phosphorylation of ceramide to form ceramide 1-phosphate . Acts efficiently on natural and analog ceramides (C6, C8, C16 ceramides, and C8-dihydroceramide), to a lesser extent on C2-ceramide and C6-dihydroceramide, but not on other lipids, such as various sphingosines . Shows a greater preference for D-erythro isomer of ceramides . Binds phosphoinositides .
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