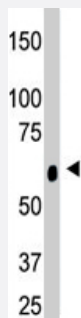


CERK polyclonal antibody

Catalog # PAB4648

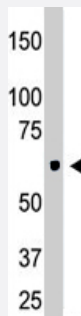
Size 400 uL

Applications



Western Blot (Tissue lysate)

The CERK polyclonal antibody (Cat # PAB4648) is used in Western blot to detect CERK in mouse heart tissue lysate .



Western Blot (Cell lysate)

The CERK polyclonal antibody (Cat # PAB4648) is used in Western blot to detect CERK in A2058 cell lysate .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CERK.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human CERK.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification

Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

The CERK polyclonal antibody (Cat # PAB4648) is used in Western blot to detect CERK in mouse heart tissue lysate .

- Western Blot (Cell lysate)

The CERK polyclonal antibody (Cat # PAB4648) is used in Western blot to detect CERK in A2058 cell lysate .

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CERK

Entrez GeneID	64781
Protein Accession#	NP_073603
Gene Name	CERK
Gene Alias	DKFZp434E0211, FLJ21430, FLJ23239, KIAA1646, LK4, MGC131878, dA59H18.2, dA59H18.3, hCERK
Gene Description	ceramide kinase
Omim ID	610307
Gene Ontology	Hyperlink
Gene Summary	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]).[supplied by OMIM]
Other Designations	OTTHUMP00000028554 lipid kinase LK4

Publication Reference

- [Ceramide kinase promotes Ca²⁺ signaling near IgG-opsonized targets and enhances phagolysosomal fusion in COS-1 cells.](#)

Hinkovska-Galcheva V, Clark A, VanWay S, Huang JB, Hiraoka M, Abe A, Borofsky M, Kunkel RG, Shanley T, Shayman JA, Lanni F, Petty HR, Boxer LA.

Journal of Lipid Research 2007 Dec; 49(3):531.

Pathway

- [Sphingolipid metabolism](#)

Disease

- [Kidney Failure](#)