

CERK Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15063**Specification**

CERK Antibody - C-terminal region - Product Information

Application	WB
Primary Accession	Q8TCT0
Other Accession	NM_022766 , NP_073603
Reactivity	Human, Rat, Horse, Dog
Predicted	Human, Horse, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59kDa KDa

CERK Antibody - C-terminal region - Additional Information**Gene ID** 64781**Alias Symbol** LK4, dA59H18.2, dA59H18.3, hCERK**Other Names**

Ceramide kinase, hCERK, 2.7.1.138, Acylsphingosine kinase, Lipid kinase 4, LK4, CERK, KIAA1646

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 µl of distilled water. Final Anti-CERK antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

Precautions

CERK Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

CERK Antibody - C-terminal region - Protein Information**Name** CERK**Synonyms** KIAA1646**Function**

Catalyzes specifically the phosphorylation of ceramide to form ceramide 1-phosphate (PubMed:[11956206](http://www.uniprot.org/citations/11956206), PubMed:[16269826](http://www.uniprot.org/citations/16269826), PubMed:[19168031](http://www.uniprot.org/citations/19168031)). 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 (PubMed:[11956206](http://www.uniprot.org/citations/11956206))

target="_blank">11956206, PubMed:16269826, PubMed:19168031). Shows a greater preference for D-erythro isomer of ceramides (PubMed:16269826). Binds phosphoinositides (PubMed:19168031).

Cellular Location

Cytoplasm. Cell membrane; Peripheral membrane protein

Tissue Location

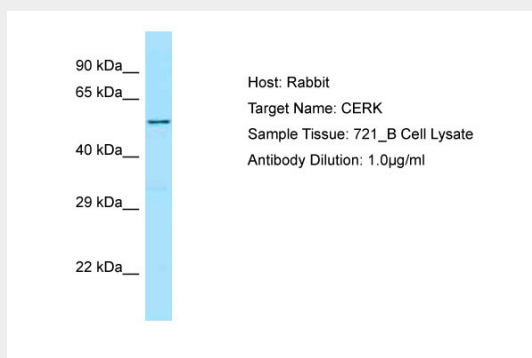
High level expression in heart, brain, skeletal muscle, kidney and liver; moderate in peripheral blood leukocytes and thymus; very low in spleen, small intestine, placenta and lung

CERK Antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CERK Antibody - C-terminal region - Images



Host: Rabbit
Target Name: CERK
Sample Tissue: 721_B Whole cell lysate
s
Antibody Dilution: 1.0µg/ml

CERK Antibody - C-terminal region - References

Sugiura M.,et al.J. Biol. Chem. 277:23294-23300(2002).
Van Veldhoven P.P.,et al.Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.
Collins J.E.,et al.Genome Biol. 5:R84.1-R84.11(2004).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Dunham I.,et al.Nature 402:489-495(1999).