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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 &mu, l 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, PubMed:16269826, PubMed: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:<a href="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

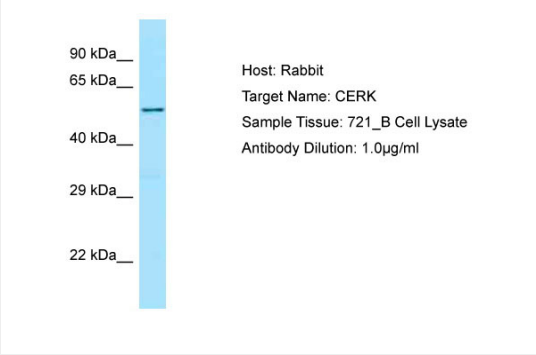
Tissue Location
High level expression in heart, brain, skeletal muscle, kidney and liver; moderate in peripheral blood leukocytes and thymus; very low in spleen, small intestine, placenta and lung

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 Cytomety
- 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).