

Ceramide Kinase / CERK Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS10774**Specification**

Ceramide Kinase / CERK Antibody (Internal) - Product Information

Application	IHC
Primary Accession	Q8TCT0
Reactivity	Human, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60kDa KDa

Ceramide Kinase / CERK Antibody (Internal) - Additional Information**Gene ID** 64781**Other Names**

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

Target/Specificity

Human CERK. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

Ceramide Kinase / CERK Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

Ceramide Kinase / CERK Antibody (Internal) - 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: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

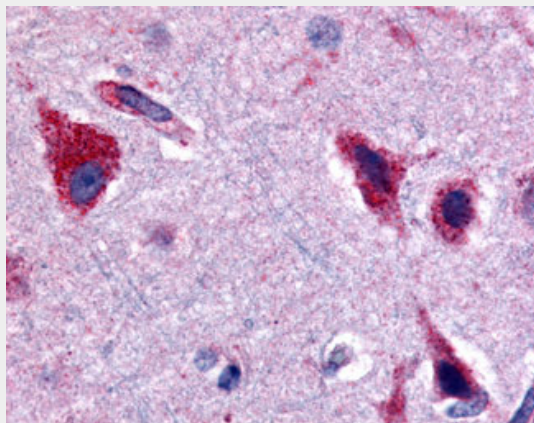
Volume

50 µl

Ceramide Kinase / CERK Antibody (Internal) - 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](#)

Ceramide Kinase / CERK Antibody (Internal) - Images

Anti-CERK antibody ALS10774 IHC of human brain, cortex.

Ceramide Kinase / CERK Antibody (Internal) - Background

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Ceramide Kinase / CERK Antibody (Internal) - References

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Collins J.E.,et al.Genome Biol. 5:R84.1-R84.11(2004).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
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