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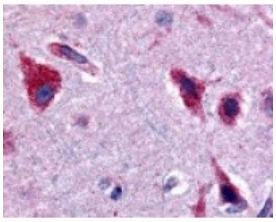
Ceramide Kinase Antibody

CATALOG NUMBER: 48-264



Immunohistochemistry staining of Ceramide Kinase in brain cortex tissue using Ceramide Kinase Antibody.

Specifications

SPECIES REACTIVITY:	Gibbon, Human, Monkey
TESTED APPLICATIONS:	IHC
APPLICATIONS:	Ceramide Kinase antibody can be used in ELISA, Western Blot, and immunohistochemistry starting at 5 ug/mL.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	BLAST analysis of the peptide immunogen showed no homology with other human proteins.
IMMUNOGEN:	Ceramide Kinase antibody was raised against a peptide located near the internal domain of Ceramide Kinase (Human).
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Immunoaffinity Chromatography
PHYSICAL STATE:	Liquid
BUFFER:	PBS, 0.1% sodium azide.
STORAGE CONDITIONS:	Ceramide Kinase antibody should be stored long term (months) at -80 ˚C and short term (days) at 4 ˚C. As with all antibodies avoid freeze/thaw cycles.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	CERK, Acylsphingosine kinase, Ceramide kinase, DA59H18.2, DA59H18.3, KIAA1646, Lipid kinase 4, Lipid kinase LK4, HCERK, LK4
ACCESSION NO.:	Q8TCT0
PROTEIN GI NO.:	30172885
OFFICIAL SYMBOL:	CERK
GENE ID:	64781

Background

BACKGROUND:	CERK, which phosphorylates Cer to produce ceramide 1-phosphate (C1P), was initially described as a Ca2+-stimulated lipid kinase that copurified with brain synaptic vesicles. CERK activity has been reported in HL60 cells, mast cells, and neutrophils. CERK is involved in phagolysosome formation in polymorphonuclear leukocytes and also in liposome fusion. C1P has been reported to have mitogenic effects. More recently, C1P was found to induce arachidonic acid release and prostanoid synthesis.

FOR RESEARCH USE ONLY

December 13, 2016