

AP00412PU-N**Polyclonal Antibody to Ceramide kinase (CERK) (internal)
(Internal) - Aff - Purified**

Alternate names:	DA59H18.2, DA59H18.3, DKFZP434E0211, EC 2.7.1.138, FLJ21430, FLJ23239, HCERK, KIAA1646, LK4, MGC131878, lipid kinase LK4
Quantity:	50 µg
Concentration:	1 mg/ml
Background:	CERK, which phosphorylates Cer to produce ceramide 1-phosphate (C1P), was initially described as a Ca ²⁺ -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.
Host:	Rabbit
Immunogen:	Synthetic peptide corresponding to the internal domain of human CERK - KLH conjugated Genename: CERK
Format:	State: Liquid Purification: Peptide immunogen affinity column. Buffer System: Phosphate buffered saline, PH 7.7 containing 0.01% sodium azide.
Applications:	Immunohistochemistry on Paraffin Sections: 20 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects Ceramide kinase. Species: Human. Other species not tested.
Storage:	Store the antibody at 2 - 8 °C up to one month or in aliquots at -20 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Pictures:

Immunohistochemistry Image: Brain,
cortex, stained with AP00412PU-N

