

Ceramide Kinase Polyclonal Antibody

ORDERING INFORMATION

Catalog No.: 13805

Size: 50ug peptide immunogen affinity purified antibody in PBS containing 0.1% sodium azide.

BACKGROUND

Ceramide kinase (CERK), which phosphorylates ceramide to produce ceramide 1-phosphate (C1P), was first 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.

SPECIFICATION SUMMARY

Antigen: Synthetic peptide conjugated to KLH.

Host Species: Rabbit

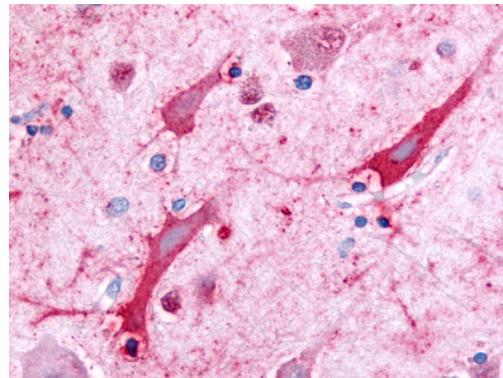
Preservatives: 0.1% sodium azide

SPECIFICITY

This antibody recognizes the N-terminal extracellular domain of human CERK.

APPLICATIONS

Immunohistochemistry: Use at 20ug/ml.



Brain cortex: Formalin-fixed, paraffin-embedded.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable at 4°C (short-term) and -70°C (long-term).

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.