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## AP00401PU-N Polyclonal Antibody to Ceramide kinase (CERK) (N-term) - Aff -Purified

| Alternate names: | Ceramide kinase, DA59H18.2, DA59H18.3, DKFZP434E0211, EC 2.7.1.138, FLJ21430,<br>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<br>described as a Ca2+-stimulated lipid kinase that copurified with brain synaptic<br>vesicles. CERK activity has been reported in HL60 cells, mast cells, and neutrophils.<br>CERK is involved in phagolysosome formation in polymorphonuclear leukocytes and<br>also in liposome fusion. C1P has been reported to have mitogenic effects. More<br>recently, C1P was found to induce arachidonic acid release and prostanoid synthesis. |  |
| Host:            | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
| Immunogen:       | Synthetic peptide corresponding to the N-terminal extracellular domain of human<br>CERK<br><b>Genename:</b> CERK                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| Format:          | <b>State:</b> Liquid<br><b>Purification:</b> Peptide immunogen affinity column.<br><b>Buffer System:</b> Phosphate buffered saline, PH 7.7 containing 0.01% sodium azide.                                                                                                                                                                                                                                                                                                                                                    |  |
| Applications:    | <b>Immunohistochemistry on Paraffin Sections:</b> 20 µg/ml.<br>Other applications not tested. Optimal dilutions are dependent on conditions and<br>should be determined by the user.                                                                                                                                                                                                                                                                                                                                         |  |
| Specificity:     | This antibody detects Ceramide kinase.<br><b>Species:</b> Human.<br>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.<br>Shelf life: one year from despatch.                                                                                                                                                                                                                                                                                                                                                              |  |

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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|-----------|-----------------------------------------------------------------------------------------|--|--|
| Pictures: | Immunohistochemistry Image: Brain, cortex, stained with AP00401PU-N                     |  |  |

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