

Product datasheet for **AP05210PU-N**

Ceremide Kinase Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA. Western Blot: 1 - 10 µg/ml. Positive Control: High level expression in heart, brain, skeletal muscle, kidney and liver.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Recombinant full-length human ceramide kinase protein
Specificity:	This antibody reacts to Ceremide Kinase.
Formulation:	Phosphate buffered saline with 0.08% sodium azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	The antibody can be shipped at ambient temperature. Store (in aliquots) at -20°C only. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Background:	Sphingolipids and their metabolic products, including ceramide, sphingosine, and sphingosine-1-phosphate (S1P), are important signaling molecules in many biological processes. Ceramide has been is one of the key elements regulating apoptotic responses. Ceramide has been reported as a regulator of several protein kinases and phosphatases, including ceramide-activated protein kinase, protein phosphatase, and protein kinase C. Sphingosine, a metabolite of ceramide, might also play a role in mitochondriamediated apoptosis. Sphingosine inhibits several protein kinases, including protein kinase C and Ca ²⁺ - calmodulin-dependent kinase II. S1P regulates many biological processes, including mitogenesis, differentiation, migration, and suppression of apoptosis.
Synonyms:	Acylsphingosine kinase, hCERK, Lipid kinase 4, LK4



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