Product datasheet for AP05214PU-N

SPHK2 (Long Form) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA. Western blot: 1 - 5 µg/ml.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from the N-terminal extension of the Sphk2-L protein.
Specificity:	This antibody reacts to Sphingosine Kinase 2 (Long Form).
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.
Gene Name:	sphingosine kinase 2
Database Link:	Entrez Gene 56848 Human Q9NRA0
Background:	The long form of sphingosine kinase 2 (Sphk2-L) is a speciesspecific isoform of the Sphk2 enzyme expressed in human but not in mouse. It is an N-terminal extended form of Sphk2, extended by 36 amino acids. It functions as expected, catalyzing the formation of sphingosine 1-phosphate from sphingosine, however it appears to have a decreased ability to inhibit DNA synthesis as compared to Sphk2-S (short form of Sphk2). Under normal cellular conditions, Sphk2-L does not appear to inhibit DNA synthesis, but under serum deprivation, SphK2-L translocates to the nucleus and accumlates. This accumlation may be involved in the cessation of cell proliferation or apoptosis depending on the cell type.

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Synonyms: SK2, SPHK2

Protein Families: Druggable Genome

Protein Pathways: Calcium signaling pathway, Fc gamma R-mediated phagocytosis, Metabolic pathways, Sphingolipid metabolism, VEGF signaling pathway