

Product datasheet for **TA318992**

SPHK2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 0.5-4 ug/ml
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to residues surrounding amino acid 603 of rat Sphingosine Kinase 2
Formulation:	100 µg (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	sphingosine kinase 2
Database Link:	NP_064511 Entrez Gene 56632 Mouse Entrez Gene 308589 Rat Entrez Gene 56848 Human Q9NRA0
Background:	Sphingosine Kinase (SphK) is a conserved lipid kinase that catalyzes the phosphorylation of sphingolipid sphingosine to sphingosine-1-phosphate (SIP). SIP receptors coupled to cell surface G protein to regulate cell growth, survival, motility and inflammatory responses. There are two types of SphK, SphK1 and SphK2. SphK1 is found in the cytosol and migrates to the membrane when activated. SphK1 has been associated with cell growth, prevention of apoptosis and cellular transformation. SphK2 is found mainly in the nucleus and in contrast to SphK1, it enhances the rate of apoptosis.
Synonyms:	SK-2; SK 2; SPK-2; SPK 2

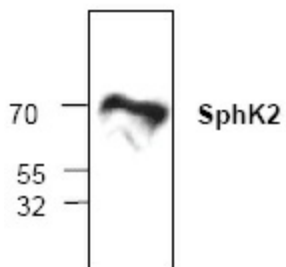


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Protein Families: Druggable Genome

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

Product images:



Western blot analysis of Sphingosine Kinase 2 in Jurkat cell lysate.