



Anti-SPHK1 polyclonal antibody (DPAB-DC883)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a kinase that phosphorylates sphingosine into sphingosine-1-phosphate, which is involved in cell differentiation, motility, and apoptosis. The encoded protein plays a role in maintaining cellular levels of sphingosine-1-phosphate. Alternative splicing results in multiple transcript variants.
Immunogen	A synthetic peptide corresponding to residues surrounding amino acids 180 of mouse Sphk1.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Conjugate	Unconjugated
Applications	WB,
Format	Liquid
Size	100 µg
Buffer	In PBS (30% glycerol, 0.5% BSA, 0.01% thimerosal)
Preservative	None
Storage	Store at -20°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	Sphk1 sphingosine kinase 1 [Mus musculus (house mouse)]
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Official Symbol	SPHK1
Synonyms	SPHK1; sphingosine kinase 1; Sk1; Spk1; 1110006G24Rik; SK 1; SPK 1;
Entrez Gene ID	20698
Protein Refseq	NP_001165943
UniProt ID	Q8CI15
Chromosome Location	11 E2; 11
Pathway	Association of TriC/CCT with target proteins during biosynthesis; Chaperonin-mediated protein folding; Metabolism; Metabolism of proteins
Function	ATP binding; D-erythro-sphingosine kinase activity; DNA binding; NAD+ kinase activity
