PRODUCT DATA SHEET

SPHK1 rabbit pAb

Catalog No.	IPB14371
Reactivity	Human; Mouse; Rat
Applications	WB
Dilution	WB: 1:500-2000
Gene Name	SPHK1 SPHK SPK
Protein Name	SPHK1
Human Gene Id	8877
Swiss-Prot	Q9NYA1
Formulation	Liquid in PBS containing 50% glycerol, and 008% sodium azide
Source	Rabbit
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen
Concentration	1 mg/ml
Storage&Stability	-20°C/1 year
Subcellular Location	Cytoplasm Nucleus Cell membrane Endosome membrane; Peripheral membrane protein Membrane, clathrin-coated pit Cell junction, synapse Translocated from the cytoplasm to the plasma membrane in a CIB1-dependent manner (PubMed:19854831) Binds to membranes containing negatively charged lipids but not neutral lipids (PubMed:24929359) Recruited to endocytic membranes by sphingosine where promotes membrane fusion (By similarity)
MW	42240
Background	sphingosine kinase 1(SPHK1) Homo sapiens The protein encoded by this gene catalyzes the phosphorylation of sphingosine to form sphingosine-1-phosphate (S1P), a lipid mediator with both intra- and extracellular functions Intracellularly, S1P regulates proliferation and survival, and extracellularly, it is a ligand for cell surface G protein-coupled receptors This protein, and its product S1P, play a key role in TNF-alpha signaling and the NF-kappa-B activation pathway important in inflammatory, antiapoptotic, and immune processes Alternatively spliced transcript variants encoding different isoforms have been found for this gene [provided by RefSeq, Sep 2011],

Products Images: