

Datasheet

SPHK1 polyclonal antibody

Catalog Number: PAB15559

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against SPHK1.

Immunogen: Amino acids 334-384 of human SPHK1.

Host: Rabbit

Reactivity: Human

Applications: IP, WB

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Form: Liquid

Recommend Usage: Immunoprecipitation (5-15 ug/mg lysate)

Western Blot (1:2000-1:10000)

The optimal working dilution should be determined by the end user.

Storage Buffer: In Tris-citrate/phosphate, pH 7-8
(0.09% sodium azide)

Storage Instruction: Store at 4°C. Do not freeze.

Entrez GeneID: 8877

Gene Symbol: SPHK1

Gene Alias: SPHK

Gene Summary: Sphingosine-1-phosphate (SPP) is a novel lipid messenger with both intracellular and extracellular functions. Intracellularly, it regulates proliferation and survival, and extracellularly, it is a ligand for EDG1 (MIM 601974). Various stimuli increase cellular levels of SPP by activation of sphingosine kinase (SPHK), the enzyme that catalyzes the phosphorylation of sphingosine. Competitive inhibitors of SPHK block

formation of SPP and selectively inhibit cellular proliferation induced by a variety of factors, including platelet-derived growth factor (e.g., MIM 173430) and serum.[supplied by OMIM]