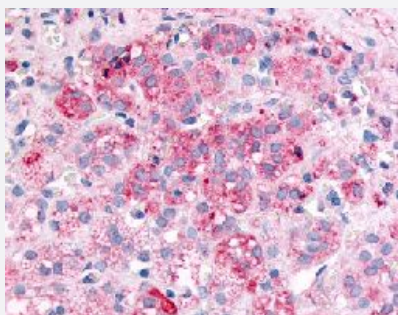


SPHK1 polyclonal antibody

Catalog # PAB16315

Size 50 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical (Formalin/PFA-fixed paraffin-embedded sections) staining in human adrenal zona glomerulosa) with SPHK1 polyclonal antibody (Cat # PAB16315).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SPHK1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to human SPHK1.
Host	Rabbit
Reactivity	Human
Specificity	N-terminal domain of human.
Form	Liquid
Purification	Immunoaffinity purification
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (20 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical (Formalin/PFA-fixed paraffin-embedded sections) staining in human adrenal zona glomerulosa) with SPHK1 polyclonal antibody (Cat # PAB16315).

Gene Info — SPHK1

Entrez GeneID [8877](#)

Protein Accession# [Q9NYA1](#)

Gene Name SPHK1

Gene Alias SPHK

Gene Description sphingosine kinase 1

Omim ID [603730](#)

Gene Ontology [Hyperlink](#)

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]

Other Designations -

Pathway

- [Calcium signaling pathway](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Metabolic pathways](#)
- [Sphingolipid metabolism](#)

- [VEGF signaling pathway](#)