

## ARG55846 anti-SPHK1 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes SPHK1
Tested Reactivity	Hu, Ms
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SPHK1
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 59-89 (N-terminus) of Human SPHK1.
Conjugation	Un-conjugated
Alternate Names	SK 1; SPK 1; EC 2.7.1.91; SPHK; Sphingosine kinase 1

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:100
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Human kidney	

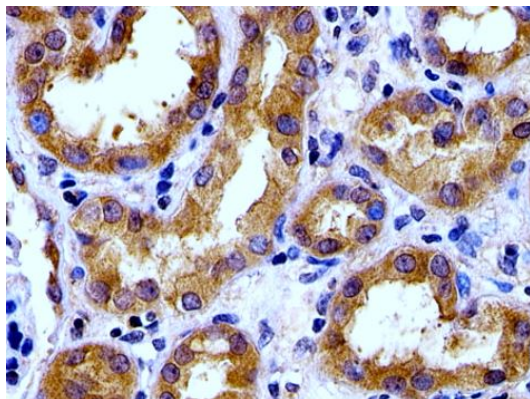
### Properties

Form	Liquid
Purification	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

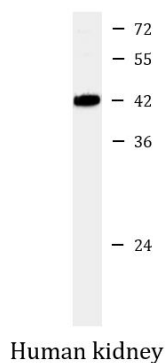
Database links	<a href="#">GeneID: 20698 Mouse</a> <a href="#">GeneID: 8877 Human</a> <a href="#">Swiss-port # Q8CI15 Mouse</a> <a href="#">Swiss-port # Q9NYA1 Human</a>
Gene Symbol	SPHK1
Gene Full Name	sphingosine kinase 1
Background	The protein encoded by this gene catalyzes the phosphorylation of 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]
Function	Catalyzes the phosphorylation of sphingosine to form sphingosine 1-phosphate (SPP), a lipid mediator with both intra- and extracellular functions. Also acts on D-erythro-sphingosine and to a lesser extent sphinganine, but not other lipids, such as D,L-threo-dihydrosphingosine, N,N-dimethylsphingosine, diacylglycerol, ceramide, or phosphatidylinositol. [UniProt]
Calculated Mw	43 kDa
Cellular Localization	Cytoplasm. Nucleus. Cell membrane. Note=Translocated from the cytoplasm to the plasma membrane in a CIB1-dependent manner

## Images



ARG55846 anti-SPHK1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human kidney tissue stained with ARG55846 anti-SPHK1 antibody at 1:100 dilution.



ARG55846 anti-SPHK1 antibody WB image

Western blot: 35 µg of Human kidney lysate stained with ARG55846 anti-SPHK1 antibody at 1:1000 dilution.