

For Research Use Only

# Phospho-SPHK1 (Ser225) Polyclonal antibody



Catalog Number: 19561-1-AP

Featured Product

13 Publications

## Basic Information

Catalog Number:

19561-1-AP

Size:

700 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_182965

GeneID (NCBI):

8877

UNIPROT ID:

Q9NYA1

Full Name:

sphingosine kinase 1

Calculated MW:

51 kDa

Observed MW:

45-47 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human

Cited Species:

human, rat, mouse

Positive Controls:

WB : L02 cells, human testis tissue

## Background Information

SPHK1, also named as SPHK and SPK, catalyzes the phosphorylation of sphingosine to form sphingosine 1-phosphate (SPP), a lipid mediator with both intra- and extracellular functions. SPHK1 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. The antibody is specific to Ser(311)-phospho of SPHK1(isoform2) or Ser(225)-phospho of SPHK1(isoform1).

## Notable Publications

Author	Pubmed ID	Journal	Application
Pei-Rong Gan	36108735	Eur J Pharmacol	WB
Federica Pierucci	30279138	Biochim Biophys Acta Mol Basis Dis	WB
Zhiyong Shen	31723122	Cell Death Dis	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

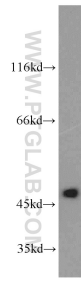
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



L02 cells were subjected to SDS PAGE followed by western blot with 19561-1-AP (SPHK1-Phospho-Ser225 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.