

**Product Name: SPHK1 (Phospho-Ser225) Rabbit Polyclonal Antibody**  
**Catalog #: APRab06084**

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## Summary

<b>Production Name</b>	SPHK1 (Phospho-Ser225) Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB
<b>Reactivity</b>	Human,Mouse,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Phospho Antibody
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	SPHK1 SPHK SPK
<b>Alternative Names</b>	Sphingosine kinase 1 (SK 1) (SPK 1) (EC 2.7.1.91)
<b>Gene ID</b>	8877.0
<b>SwissProt ID</b>	Q9NYA1.

## Application

<b>Dilution Ratio</b>	WB 1:500-2000
<b>Molecular Weight</b>	

## Background

catalytic activity:ATP + sphinganine = ADP + sphinganine 1-phosphate.,catalytic activity:ATP + sphingosine = ADP +

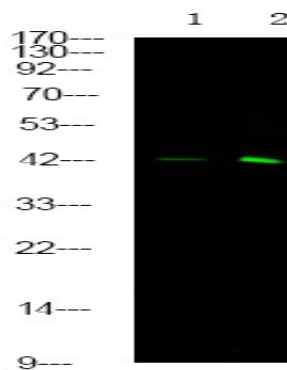
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sphingosine 1-phosphate.,cofactor:Magnesium.,function:Catalyzes the phosphorylation of sphingosine to form sphingosine 1-phosphate (SPP), a lipid mediator with both intra-and extracellular functions. Also acts on D-erythro-sphingosine and to a lesser extent sphinganine, but not other lipids, such as D,L-threo-dihydrosphingosine, N,N-dimethylsphingosine, diacylglycerol, ceramide, or phosphatidylinositol.,similarity:Contains 1 DAGKc domain.,subunit:Interacts with ACY1 (By similarity). Binds to calmodulin. Interacts with SPHKAP.,tissue specificity:Widely expressed with highest levels in adult liver, kidney, heart and skeletal muscle.,

## Research Area

## Image Data



Western Blot analysis of 1 MCF-7 cell, 2 LPS 100ng/mL 30min treated ,using primary antibody at 1:1000 dilution.  
Secondary antibody was diluted at 1:10000

## Note

For research use only.