

Rabbit phospho-Sphingosine Kinase 1,(pS225), Mouse Reactive Polyclonal Antibody | anti-Sphk1 antibody

phospho-Sphingosine Kinase 1,(pS225), Mouse Reactive

CATALOG # AAA60497	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS Western Blot
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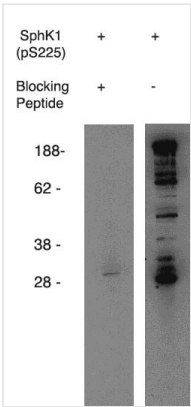
PRODUCT SYNONYMS

phospho-Sphingosine Kinase 1; (pS225); Mouse Reactive; Polyclonal Antibody; Mouse Reactive. Rabbit Antigen Immunoaffinity Purified Polyclonal; anti-Sphk1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Purity: Affinity Purified Purification: Antigen Immunoaffinity Purification
Form/Format	Provided as solution in phosphate buffered saline with 0.08% sodium azide
Concentration	100ug; 0.5mg/ml (varies by lot)
Sequence Length	382
Applicable Applications for anti-Sphk1 antibody	WB (Western Blot)
Immunogen	A synthetic peptide incorporating the serine 225 phosphorylation site of mouse sphingosie kinase 1
Comment	Antibody can be used for Western Blotting (1-5ug/ml). Antibody shows some cross reactivity (~10% by ELSIA) with other phosphoserine containing proteins. Optimal concentration should be evalutated by serial dilutions.
Preparation and Storage	Product should be stored at -20 degree C. Aliquot to avoid freeze/thaw cycles Stability: Products are stable for one year from purchase when stored properly. Shipping: Ships on gel ice, store at -20°C immediately upon arrival.

IMAGES



WB (Western Blot)
Western blot using anti-mouse SphK1 (pS225) on mouse B-cell lysate. Antibody used at 1 ug/ml with phosphorylated blocking peptide (lane A) and without (laneB).

ADDITIONAL INFORMATION

Related Product Information for anti-Sphk1 antibody	Activation of Sphingosine kinase (Sphk) increases the bioactive lipid, sphingosine 1-phosphate (S1P) and has been observed in a variety of cancer cells. Phosphorylation of sphingosine by sphingosine kinase (Sphk) is the rate-limiting step in the cellular synthesis of S1P. A principle activation event is the phosphorylation of serine 225 of sphingosine kinase 1. Inhibition of Sphk1 phosphorylation and hence, Sphk activity is an important target for the development of drugs for cancer, inflammation, cardioprotection as well as a many other indications.
Product Categories/Family for anti-Sphk1 antibody	Antigen Immunoaffinity Purified Polyclonal; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	289191342
NCBI GeneID	20698
NCBI Accession #	NP_001165943.1
NCBI GenBank Nucleotide #	NM_001172472.1
UniProt Accession #	Q8CI15; O88886; Q3U2E3; Q91ZN3
Molecular Weight	42.5
NCBI Official Full Name	sphingosine kinase 1 isoform 2
NCBI Official Synonym Full Names	sphingosine kinase 1
NCBI Official Symbol	Sphk1
NCBI Official Synonym Symbols	Sk1; Spk1; 1110006G24Rik
NCBI Protein Information	sphingosine kinase 1; SK 1; SPK 1
UniProt Protein Name	Sphingosine kinase 1
UniProt Gene Name	Sphk1
UniProt Synonym Gene Names	SK 1; SPK 1
UniProt Entry Name	SPHK1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

