

Anti-Sphingosine kinase 1 SPHK1 Antibody

Catalog Number: A01390

About SPHK1

Following activation by double-stranded RNA in the presence of ATP, the kinase becomes autophosphorylated and can catalyze the phosphorylation of the translation initiation factor EIF2S1, which leads to an inhibition of the initiation of protein synthesis. Double-stranded RNA is generated during the course of a viral infection.

Abujiang Pataer, et.al. (2002) Cancer Res ; 62: 2239.

K. D. Ryman, et.al. (2005) J. Virol ; 79: 1487 - 1499.

Susana Guerra, et.al. (2006) J. Biol. Chem ; 281: 18734 - 18745.

Overview

Product Name	Anti-Sphingosine kinase 1 SPHK1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Sphingosine kinase 1 SPHK1 Antibody catalog # A01390. Tested in WB,IHC applications. This antibody reacts with Human,Mouse,Rat.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q9NYA1

Technical Details

Immunogen	Synthesized peptide derived from human Trk B around the phosphorylation site of Y706.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml

Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB: 1:500-1:2000 IHC: 1:50-1:200

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