

Anti-Sphingosine Kinase 1 (C-terminal region) Antibody

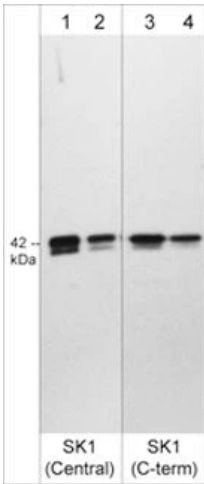


Product Details

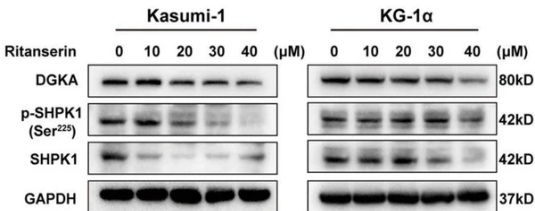
Available Variants	100 µL (SKU:SP5421)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	SPHK1
Host Species	Rabbit
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN ₃ and 50% glycerol
Applications	ELISA, WB
Dilution Ranges	WB: 1:500
Species Reactivity	Human, Mouse, Rat
Immunogen	SK1 synthetic peptide (coupled to carrier) corresponding to amino acids in the C-terminal region of mouse SK1. This sequence has high homology to human and rat SK1, and is not homologous to sequences in SK2.
Specificity	The antibody detects 42 kDa* full-length recombinant human and mouse SK1 proteins, as well as detects 42 and 60 kDa forms of SK1 in human HeLa cells.
Molecular Weight	42
Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
UniProt ID	Q8CI15
Country of Origin	United States

Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.

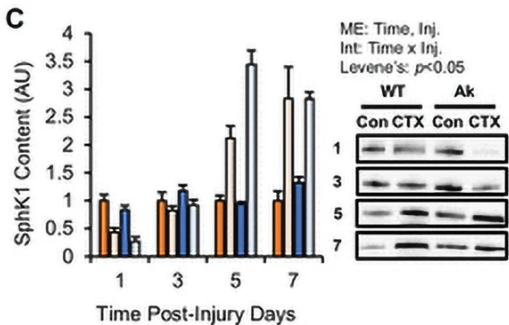
Product Images



Western blot image of recombinant his-tagged human SK1 protein. Blots were probed with rabbit polyclonals anti-SK1 (Central Region) (SP1621) at 1:1000 (lane 1) and 1:4000 (lane 2), and anti-SK1 (C-terminal region) (SP5421) at 1:1000 (lane 3) and 1:4000 (lane 4).



The protein expression levels of DGKα, SphK1 (Cat. SP5421, 1:1000) and p-SphK1(Ser225) (Cat. SP1641) in AML cells after ritanserin treatment for 48 h. Image from publication CC-BY-4.0. [PMID: 37392305](#)



Western blot of wild type and Akita mouse skeletal muscle comparing protein expression of Sphingosine kinase 1 (SphK1, Cat no SP5421, 1:1000), showing protein expression was not affected by type 1 diabetes mellitus (T1DM). Image from publication, CC-BY-4.0. [PMID: 39611411](#).



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