Product Datasheet

Sphingosine Kinase 1/SPHK1 Antibody (1D6) - Azide and BSA Free

H00008877-M01

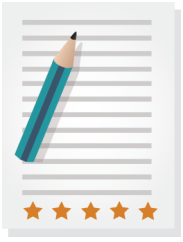
Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

Publications: 13

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/H00008877-M01

Updated 2/21/2025 v.20.1



H00008877-M01

Sphingosine Kinase 1/SPHK1 Antibody (1D6) - Azide and BSA Free

Product Information

Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1D6
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4

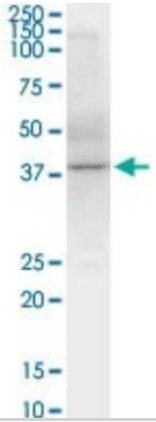
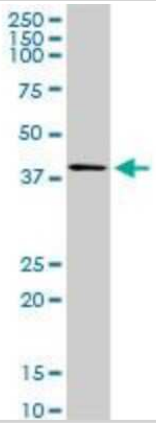
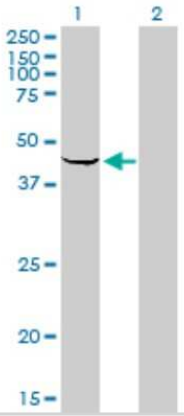
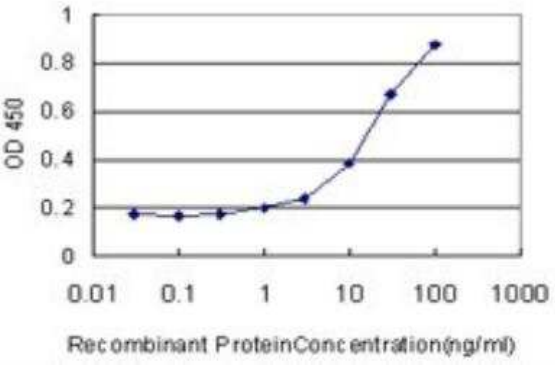
Product Description

Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	8877
Gene Symbol	SPHK1
Species	Human
Specificity/Sensitivity	SPHK1 (1D6)
Immunogen	SPHK1 (AAH08040, 1 a.a. ~ 384 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MDPAGGPRGVLPRPCRVLVLLNPRGGKGKALQLFRSHVQPLLAEAEISFTLML TERRNHARELVRSEELGRWDALVVMSGDGLMHEVVNGLMERPDWETAIQKPL CSLPAGSGNALAASLNHYAGYEQVTNEDLLTNCTLLLCRRLLSPMNLLSLHTAS GLRLFSVLSLAWGFIADVDLESEKYRRLGEMRFTLGTFLLLAALRTYRGRLAYL PVGRVGSKTPASPVVVQQGPVDAHLVPLEEPVPSHWTVVPDEDFVLVLALLHS HLGSEMFAAPMGRCAAGVMHLFYVRAGVSRAMLLRLFLAMEKGRHMEYECP YLVYVPVVAFRLEPKDGKGVFAVDGELMVSEAVQGQVHPNYFWMVSGCVEP PPSWKPQQMPPPEEPL
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details

Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for ELISA.

Images

Western Blot: Sphingosine Kinase 1/SPHK1 Antibody (1D6) [H00008877-M01] - SPHK1 monoclonal antibody (M01), clone 1D6. Analysis of SPHK1 expression in K-562.	
Western Blot: Sphingosine Kinase 1/SPHK1 Antibody (1D6) [H00008877-M01] - SPHK1 monoclonal antibody (M01), clone 1D6 Western Blot analysis of SPHK1 expression in A-431 (Cat # L015V1).	
Western Blot: Sphingosine Kinase 1/SPHK1 Antibody (1D6) [H00008877-M01] - Analysis of SPHK1 expression in transfected 293T cell line by SPHK1 monoclonal antibody (M01), clone 1D6.Lane 1: SPHK1 transfected lysate(43.9 KDa).Lane 2: Non-transfected lysate.	
ELISA: Sphingosine Kinase 1/SPHK1 Antibody (1D6) [H00008877-M01] - Detection limit for recombinant GST tagged SPHK1 is approximately 1ng/ml as a capture antibody.	

Publications

Fraunhoffer NA, Abuelafia AM, Bigonnet M et al. Multi-omics data integration and modeling unravels new mechanisms for pancreatic cancer and improves prognostic prediction NPJ precision oncology 2022-08-17 [PMID: 35978026] (IHC-P, Human)

Details:
Dilutions: 1:100

Kim MH, Park JW, Lee EJ et al. C16-ceramide and sphingosine 1-phosphate/S1PR2 have opposite effects on cell growth through mTOR signaling pathway regulation. Oncol Rep 2018-09-07 [PMID: 30226616]

Sinha UK, Schorn VJ, Hochstim C et al. Increased radiation sensitivity of head and neck squamous cell carcinoma with sphingosine kinase 1 inhibition. Wiley InterScience. 2011-02-01 [PMID: 20848438]

Ter Braak M, Danneberg K, Lichte K et al. G{alpha}q-mediated plasma membrane translocation of sphingosine kinase-1 and cross-activation of S1P receptors. Biochim Biophys Acta. 2009-02-03 [PMID: 19416644]

Schenten V, Melchior C, Steinckwich N et al. Sphingosine kinases regulate NOX2 activity via p38 MAPK-dependent translocation of S100A8/A9. J Leukoc Biol. 2011-01-13 [PMID: 21233411]

Ali-Rahmani F, Hengst JA, Connor JR, Schengrund CL. Effect of HFE Variants on Sphingolipid Expression by SH-SY5Y Human Neuroblastoma Cells. Neurochem Res. 2011-01-18 [PMID: 21243428]

Asher V, Warren A, Shaw R et al. The role of Eag and HERG channels in cell proliferation and apoptotic cell death in SK-OV-3 ovarian cancer cell line. Cancer Cell Int. 2011-03-10 [PMID: 21392380]

Schroder M, Richter C, Juan MH et al. The sphingosine kinase 1 and S1P1 axis specifically counteracts LPS-induced IL-12p70 production in immune cells of the spleen. Mol Immunol. 2011-03-22 [PMID: 21435724]

Sheu JJ, Lee CC, Hua CH et al. LRIG1 modulates aggressiveness of head and neck cancers by regulating EGFR-MAPK-SPHK1 signaling and extracellular matrix remodeling. Oncogene. 2013-04-29 [PMID: 23624915]

Bohm A, Flosser A, Ermler S et al. Factor-Xa-induced mitogenesis and migration require sphingosine kinase activity and S1P formation in human vascular smooth muscle cells. Cardiovasc Res. 2013-05-07 [PMID: 23658376]

Zhang H, Wang Q, Zhao Q, Di W. MiR-124 inhibits the migration and invasion of ovarian cancer cells by targeting SphK1. J Ovarian Res. 2013-01-01 [PMID: 24279510] (WB)

Wang S, Zhang Z, Lin X et al. A polysaccharide, MDG-1, induces S1P1 and bFGF expression and augments survival and angiogenesis in the ischemic heart. Glycobiology 20(4):473-84. 2010-01-01 [PMID: 20008963]

More publications at http://www.novusbio.com/H00008877-M01

Novus Biologicals USA
10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada
21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd
19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information
www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to H00008877-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
210-TA-005	TNF-alpha [Unconjugated]

Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/H00008877-M01

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications