

SPHK1 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human
Published Species	Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant protein fragment corresponding to a region within amino acids 1 and 220 of Human SPHK1
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	0.1M tris glycine, pH 7, with 10% glycerol
Contains	0.01% thimerosal
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2546060

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3,000	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	-
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Immunocytochemistry (ICC/IF)	1:100-1:1,000	-

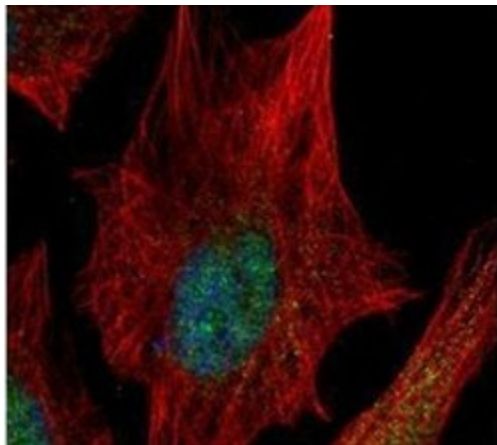
Product Specific Information

Recommended positive controls: 293T, A431, H1299, HeLaS3, HepG2, Molt-4, Raji.

Predicted reactivity: Human (99%).

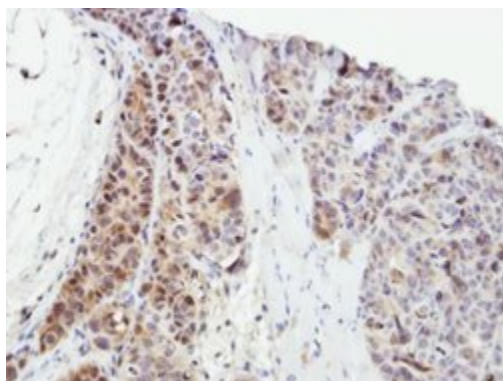
Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Product Images For SPHK1 Polyclonal Antibody



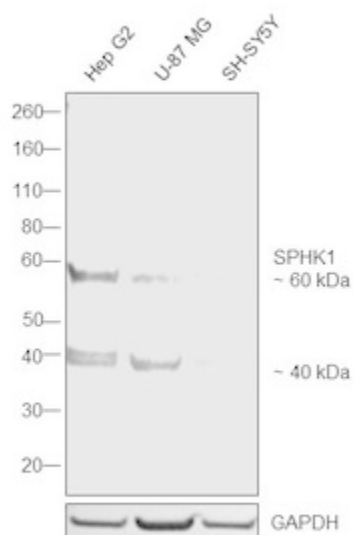
SPHK1 Antibody (PA5-28584) in ICC/IF

Immunofluorescent analysis of SPHK1 in paraformaldehyde-fixed HeLa cells using a SPHK1 polyclonal antibody (Product # PA5-28584) (Green) at a 1:500 dilution. Alpha-tubulin filaments were labeled with Product # PA5-29281 (Red) at a 1:2000.



SPHK1 Antibody (PA5-28584) in IHC (P)

Immunohistochemical analysis of SPHK1 in paraffin-embedded SW480 xenograft using a SPHK1 polyclonal antibody (Product # PA5-28584) at a dilution of 1:500.



SPHK1 Antibody (PA5-28584) in WB

Western blot was performed using Anti-SPHK1 Polyclonal Antibody, (Product # PA5-28584) and 60 and 40 kDa bands corresponding to SPHK1 isoforms were observed in the cell lines tested except in low expressing SH-SY5Y. Nuclear enriched cell extracts (40 μ g lysate) of Hep G2 (Lane 1), U-87 MG (Lane 2) and SH-SY5Y (Lane 3) were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0321BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blots were probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (H+L), Superclonal™ Recombinant Secondary Antibody, HRP conjugate (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using SuperSignal™ West Dura Extended Duration Substrate (Product # 34076).

[View more figures on thermofisher.com](https://www.thermofisher.com)

Western Blot (1)

Science advances

Mfsd2a and Spns2 are essential for sphingosine-1-phosphate transport in the formation and maintenance of the blood-brain barrier.

"PA5-28584 was used in Immunohistochemistry (Frozen) to help unravel the mechanism by which S1P regulates BBB and also provide previously unidentified insights into the delivery of neurological drugs in the CNS."

Authors: Wang Z,Zheng Y,Wang F,Zhong J,Zhao T,Xie Q,Zhu T,Ma F,Tang Q,Zhou B,Zhu J

Species

Mouse
Not Applicable

Dilution

1:100
Not Cited

Year

2020

Immunohistochemistry (Frozen) (1)

Science advances

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Dilution

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Year

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