

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

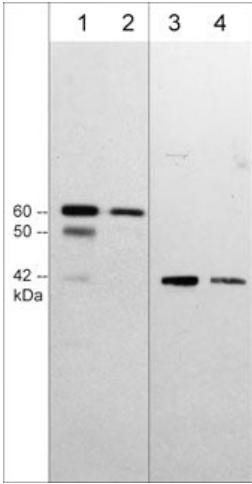


## Product Details

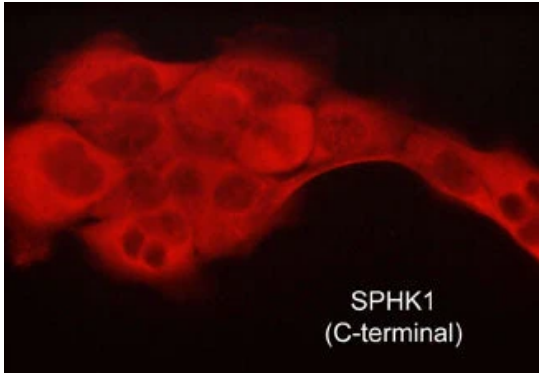
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|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Available Variants | 100 µL (SKU:SM5401)                                                                                                                                                                                                                             |
| Conjugate          | Unconjugated                                                                                                                                                                                                                                    |
| Clone              | M540                                                                                                                                                                                                                                            |
| Gene Name          | SPHK1                                                                                                                                                                                                                                           |
| Host Species       | Rat                                                                                                                                                                                                                                             |
| Format             | Antigen Affinity Purified                                                                                                                                                                                                                       |
| Physical State     | Liquid                                                                                                                                                                                                                                          |
| Buffer             | PBS + 1 mg/ml BSA, 0.05% NaN <sub>3</sub> and 50% glycerol                                                                                                                                                                                      |
| Applications       | ELISA, ICC, WB                                                                                                                                                                                                                                  |
| Dilution Ranges    | WB: 1:250<br>ICC: 1:200                                                                                                                                                                                                                         |
| Species Reactivity | Human, Mouse, Rat                                                                                                                                                                                                                               |
| Immunogen          | Clone M540 was generated from a 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, 50, 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.                                                                                          |

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|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UniProt ID        | <a href="#">Q8CI15</a>                                                                                                                                                 |
| 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 human Hela cells (lanes 1 & 2) and recombinant his-tagged human SK1 protein (lanes 3 & 4). The blots were probed with rat monoclonal anti-SK1 (C-terminal Region) at 1:250 (lanes 1 & 3) and 1:1000 (lanes 2 & 4).



Immunocytochemical labeling of sphingosine kinase 1 (SPHK1) in paraformaldehyde fixed and NP-40 permeabilized A431 cells. The cells were labeled with rat monoclonal anti-SPHK1 (SM5401). The antibody was detected using goat anti-rat DyLight® 594.

Product Page URL: [www.antibodiesinc.com/products/anti-sphingosine-kinase-1-c-terminal-region-antibody-sm5401](http://www.antibodiesinc.com/products/anti-sphingosine-kinase-1-c-terminal-region-antibody-sm5401)

