

## SPHK2 RABBIT PAB

**Cat.#:** S217166

**Product Name:** Anti-SPHK2 Rabbit Polyclonal Antibody

**Synonyms:** SK 2; SK-2; SPK 2; SPK-2

**UNIPROT ID:** Q9NRA0 (Gene Accession - BC006161)

**Background:** This gene encodes one of two sphingosine kinase isozymes that catalyze the phosphorylation of sphingosine into sphingosine 1-phosphate. Sphingosine 1-phosphate mediates many cellular processes including migration, proliferation and apoptosis, and also plays a role in several types of cancer by promoting angiogenesis and tumorigenesis. The encoded protein may play a role in breast cancer proliferation and chemoresistance. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

**Immunogen:** Fusion protein of human SPHK2

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 50-100;WB: 500-2000;ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

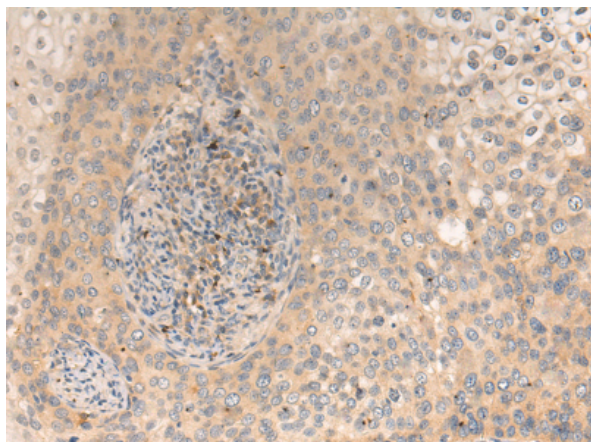
**Purification:** Antigen affinity purification

**Species Reactivity:** Human

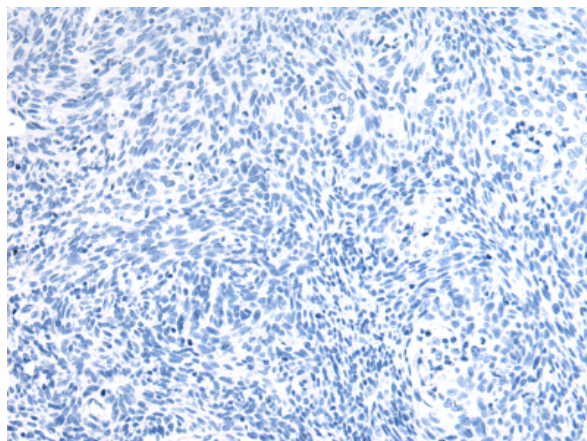
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Signal Transduction, Cancer, Metabolism

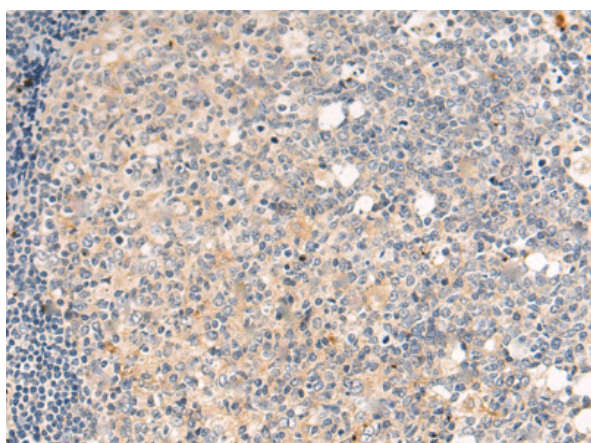
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



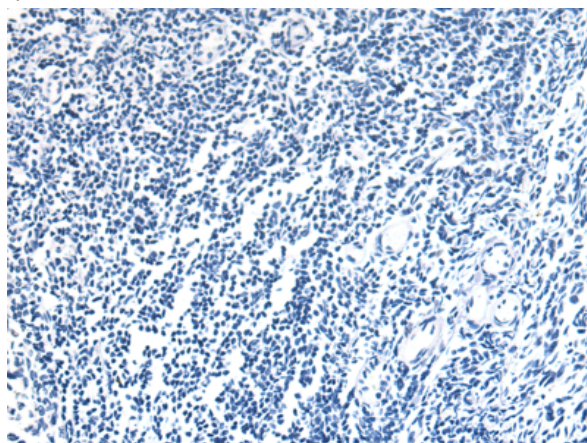
Immunohistochemistry analysis of paraffin embedded Human cervical cancer tissue using 217166 (SPHK2 Antibody) at a dilution of 1/60 (Cytoplasm).



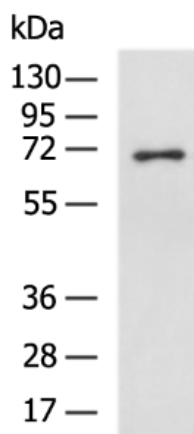
In comparison with the IHC on the left, the same paraffin-embedded Human cervical cancer tissue is first treated with the fusion protein and then with 217166 (Anti-SPHK2 Antibody) at dilution 1/60.



The image on the left is immunohistochemistry of paraffin-embedded Human tonsil tissue using 217166 (Anti-SPHK2 Antibody) at a dilution of 1/60.



In comparison with the IHC on the left, the same paraffin-embedded Human tonsil tissue is first treated with fusion protein and then with D221906 (Anti-SPHK2 Antibody) at dilution 1/60.



Gel: 8% SDS-PAGE, Lysate: 40  $\mu$ g;  
Lane: RAMOS cell lysate;  
Primary antibody: 217166 (SPHK2 Antibody) at dilution 1/300;  
Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;  
Exposure time: 1 minute



# Product Description

Pioneering GTPase and Oncogene Product Development since 2010

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