

Basic Information

Product Name	Anti-SPHK1 Antibody (Clone#OTI1A6)	
Gene Name	SPHK1	
Source	Mouse	
Clonality	Monoclonal	
Isotype	IgG2a	
Species Reactivity	human	
Tested Application	WB, IHC, ICC/IF	
Contents	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.	
Immunogen	Full length human recombinant protein of human SPHK1(NP_068807) produced in HEK293T cell.	
Concentration	500 ug/ml	
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)	
Observed MW	43.8 kDa	
Dilution Ratios	Western blot (WB): 1:400~4000 Immunohistochemistry (IHC): 1:150 Immunocytochemistry/Immunofluorescence (ICC/IF):1:100	

Storage

Stable for 12 months from date of receipt. Store at -20°C as received.

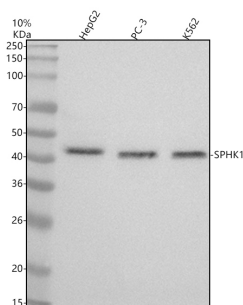
Background Information

The protein encoded by this gene catalyzes the phosphorylation of sphingosine to form sphingosine-1-phosphate (S1P), a lipid mediator with both intra- and extracellular functions. Intracellularly, S1P regulates proliferation and survival, and extracellularly, it is a ligand for cell surface G protein-coupled receptors. This protein, and its product S1P, play a key role in TNF-alpha signaling and the NF-kappa-B activation pathway important in inflammatory, antiapoptotic, and immune processes. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]

Reference

Anti-SPHK1 Antibody (Clone#OTI1A6)被引用在1文献中。

Selected Validation Data



Western blot analysis of anti-SPHK1 antibody (M01390-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human HepG2 whole cell lysates,

Lane 2: human PC-3 whole cell lysates,

Lane 3: human K562 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with mouse anti-SPHK1 antigen affinity purified monoclonal antibody (M01390-1) at a dilution of 1:1000 and probed with a goat anti-mouse IgG-HRP secondary antibody (Catalog # BA1050). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for SPHK1 at approximately 42 kDa. The expected band size for SPHK1 is at 42 kDa.



Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-SPHK1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, M01390-1)

Product datasheet

Anti-SPHK1 Antibody (Clone#OTI1A6)

Catalog Number: M01390-1

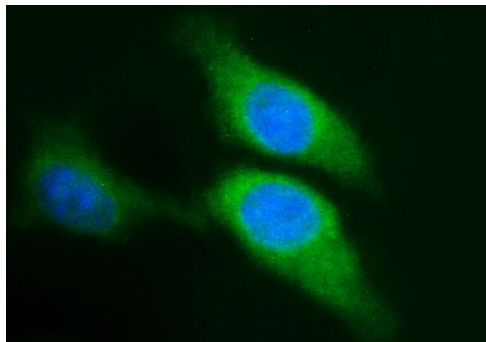
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Immunofluorescent staining of HeLa cells using anti-SPHK1 mouse monoclonal antibody.