antibodies - online.com







anti-SPHK2 antibody (AA 590-620)

Images



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0.0	
Quantity:	0.2 mL
Target:	SPHK2
Binding Specificity:	AA 590-620
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPHK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA
Product Details	
Immunogen:	A portion of amino acids 590-620 from the human protein was used as the immunogen for this
	SPHK2 antibody.
Isotype:	lg Fraction
Purification:	Purified
Target Details	
Target:	SPHK2
Alternative Name:	SPHK2 (SPHK2 Products)
Background:	Sphingosine Kinase (SphK) catalyzes the phosphorylation of the lipid sphingosine, creating the
	bioactive lipid sphingosine-1-phosphate (S1P). S1P subsequently signals through cell surface G
	protein-coupled receptors, as well as intracellularly, to modulate cell proliferation, survival,

motility and differentiation. SphK is an important signaling enzyme which is activated by diverse agents, including growth factors that signal through receptor tyrosine kinases, agents activating G protein-coupled receptors, and immunoglobulin receptors. Two SphK isotypes, SphK-1 and SphK-2, have been cloned, and both isotypes are ubiquitously expressed. SphK-1 has been shown to mediate cell growth, prevention of apoptosis, and cellular transformation, and is upregulated in a variety of human tumors. In contrast, SphK-2 increases apoptosis, and may be responsible for phosphorylating and activating the immunosuppressive drug FTY720.

UniProt:

Q9NRA0

Pathways:

VEGF Signaling

Application Details

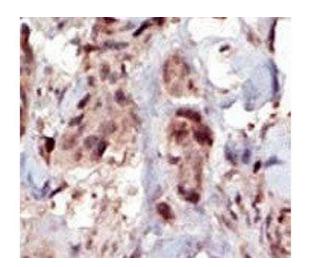
Application Notes:	Titration of the SPHK2 antibody may be required due to differences in protocols and
	secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50-1:100

Restrictions:

For Research Use only

Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the SPHK2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Immunohistochemistry

Image 1. IHC analysis of FFPE human breast carcinoma tissue stained with the SPHK2 antibody

Western Blotting

Image 2. SPHK2 antibody western blot analysis in HepG2 lysate.

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Western Blotting

Image 3. SPHK2 antibody western blot analysis in HepG2 lysate.