



Rabbit Anti-phospho-SPHK2 (Thr614) antibody

SL17661R

Product Name:	phospho-SPHK2 (Thr614)
Chinese Name:	磷酸化鞘氨醇激酶2抗体
Alias:	SPHK2 (phospho T614); p-SPHK2 (phospho T614); SK 2; Sphingosine kinase 2; Sphingosine kinase type 2; SPHK2; SPHK2_HUMAN; SPK 2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	72kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from human SPHK2 around the phosphorylation site of Thr614:PL(p-T)PR
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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. [provided by RefSeq, Aug 2011]

Function:

Catalyzes the phosphorylation of sphingosine to form sphingosine 1-phosphate (SPP), a lipid mediator with both intra-and extracellular functions. Also acts on D-erythro-dihydrosphingosine, D-erythro-sphingosine and L-threo-dihydrosphingosine. Binds phosphoinositides.

Subcellular Location:

Cytoplasm. Membrane and Lysosome membrane.

Similarity:

Contains 1 DAGKc domain.

SWISS:

Q9NRA0

Gene ID:

56848

Database links:

[Entrez Gene: 56848](#) Human

[Entrez Gene: 56632](#) Mouse

[Entrez Gene: 308589](#) Rat

[Omim: 607092](#) Human

[SwissProt: Q9NRA0](#) Human

[SwissProt: Q9JIA7](#) Mouse

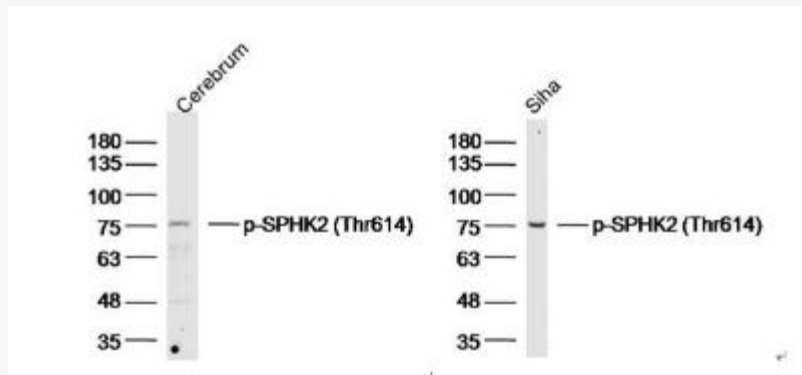
[Unigene: 528006](#) Human

[Unigene: 24222](#) Mouse

[Unigene: 41053](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Sample:

Cerebrum (Mouse) Lysate at 40 ug

Siha(huamn) Cell Lysate at 40 ug

Primary: Anti-p-SPHK2(Thr614) (SL17661R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 72 kD

Observed band size: 75 kD

Picture:

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