

Product Name: SphK2 (phospho Thr614) Rabbit Polyclonal Antibody
Catalog #: APRab05461

Summary

Production Name	SphK2 (phospho Thr614) Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Phospho Antibody
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	SPHK2
Alternative Names	SPHK2; Sphingosine kinase 2; SK 2; SPK 2
Gene ID	56848.0
SwissProt ID	Q9NRA0.The antiserum was produced against synthesized peptide derived from human SPHK2 around the phosphorylation site of Thr614. AA range:580-629

Application

Dilution Ratio	IHC 1:100 - 1:300. ELISA: 1:5000..
Molecular Weight	

Product Name: SphK2 (phospho Thr614) Rabbit Polyclonal Antibody
Catalog #: APRab05461

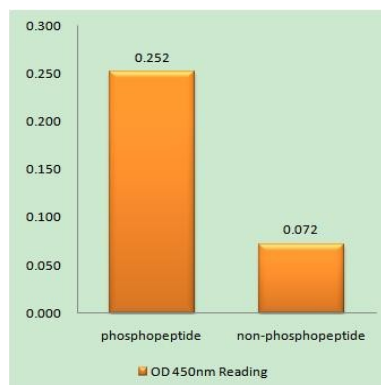
Background

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. [provided by RefSeq, Aug 2011], alternative products: Experimental confirmation may be lacking for some isoforms, catalytic activity: ATP + sphinganine = ADP + sphinganine 1-phosphate, catalytic activity: ATP + sphingosine = ADP + sphingosine 1-phosphate, cofactor: Magnesium, 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, similarity: Contains 1 DAGKc domain,

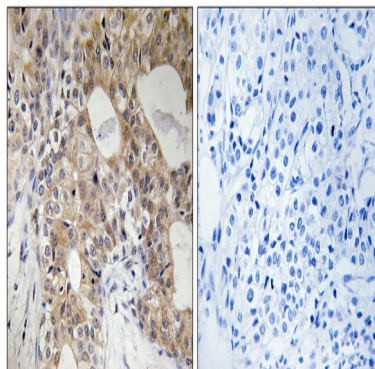
Research Area

Sphingolipid metabolism; Calcium; VEGF; Fc gamma R-mediated phagocytosis;

Image Data



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using SPHK2 (Phospho-Thr614) Antibody





**Product Name: SphK2 (phospho Thr614) Rabbit
Polyclonal Antibody
Catalog #: APRab05461**

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using SPHK2 (Phospho-Thr614) Antibody. The picture on the right is blocked with the phospho peptide.

Note

For research use only.