

产品名称: SphK2 (phospho Thr614) Rabbit Polyclonal Antibody
产品货号: APRab05461



产品概述 (Summary)

产品名称 (Production Name)	SphK2 (phospho Thr614) Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Phosphorylated
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

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

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:10000
蛋白分子量 (Molecular Weight)	

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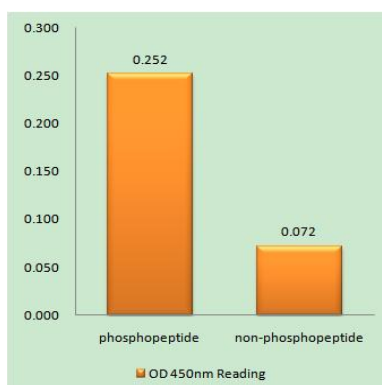
研究背景 (Background)

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: $\text{ATP} + \text{sphinganine} = \text{ADP} + \text{sphinganine 1-phosphate}$, catalytic activity: $\text{ATP} + \text{sphingosine} = \text{ADP} + \text{sphingosine 1-phosphate}$, 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,

研究领域 (Research Area)

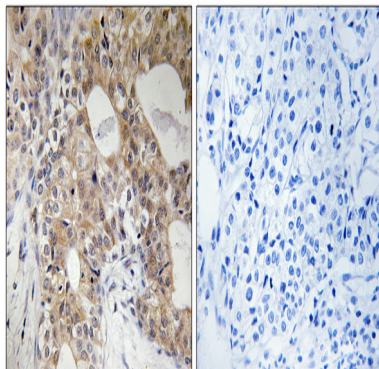
Sphingolipid metabolism; Calcium; VEGF; Fc gamma R-mediated phagocytosis;

图片 (Image Data)



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

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

注意事项 (Note)

For research use only .