

产品名称: SphK2 Rabbit Polyclonal Antibody
产品货号: APRab18188



产品概述 (Summary)

产品名称 (Production Name)	SphK2 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)	Unmodified
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. 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)	70kDa

研究背景 (Background)

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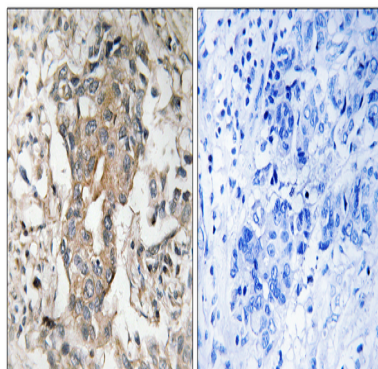


This gene encodes one of two sphingosine kinase isozymes that catalyze the phosphorylation of sphingosine into sphingosine 1-phosphate. Sphingosine 1-phosphate mediates many cellular processes including migration, proliferation and apoptosis, and also plays a role in several types of cancer by promoting 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,

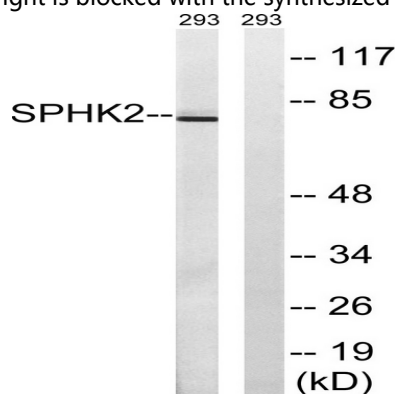
研究领域 (Research Area)

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

图片 (Image Data)

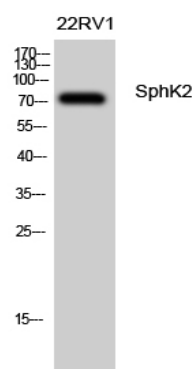


Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using SPHK2 Antibody. The picture on the right is blocked with the synthesized peptide.

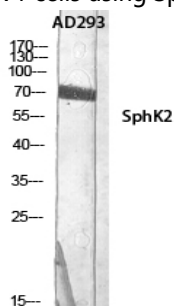


Western blot analysis of lysates from 293 cells, using SPHK2 Antibody. The lane on the right is blocked with the synthesized peptide.

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Western Blot analysis of 22RV1 cells using SphK2 Polyclonal Antibody diluted at 1: 500



Western Blot analysis of AD293 using SphK2 Polyclonal Antibody diluted at 1: 500

注意事项 (Note)

For research use only .