

产品名称: IP3KA Rabbit Polyclonal Antibody
产品货号: APRab12698



产品概述 (Summary)

产品名称 (Production Name)	IP3KA Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,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)	ITPKA
别名 (Alternative Names)	ITPKA; Inositol-trisphosphate 3-kinase A; Inositol 1; 4,5-trisphosphate 3-kinase A; IP3 3-kinase A; IP3K A; InsP 3-kinase A
基因 ID (Gene ID)	3706.0
蛋白 ID (SwissProt ID)	P23677.The antiserum was produced against synthesized peptide derived from human IP3KA. AA range:396-445

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:50-1:300,ELISA 1:2000-1:20000
蛋白分子量 (Molecular Weight)	52kDa

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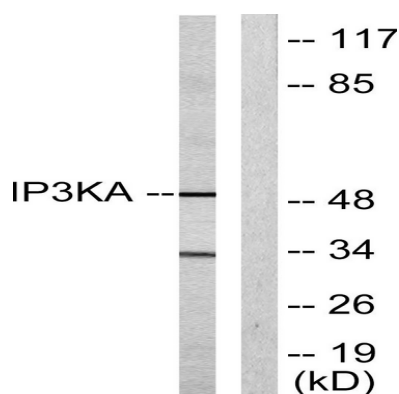
研究背景 (Background)

Regulates inositol phosphate metabolism by phosphorylation of second messenger inositol 1,4,5-trisphosphate to Ins(1,3,4,5)P₄. The activity of the inositol 1,4,5-trisphosphate 3-kinase is responsible for regulating the levels of a large number of inositol polyphosphates that are important in cellular signaling. Both calcium/calmodulin and protein phosphorylation mechanisms control its activity. It is also a substrate for the cyclic AMP-dependent protein kinase, calcium/calmodulin- dependent protein kinase II, and protein kinase C in vitro.[provided by RefSeq, Apr 2011],catalytic activity:ATP + 1D-myo-inositol 1,4,5-trisphosphate = ADP + 1D-myo-inositol 1,3,4,5-tetrakisphosphate.,enzyme regulation:IP3K is activated by calmodulin.,similarity:Belongs to the inositol phosphokinase (IPK) family.,

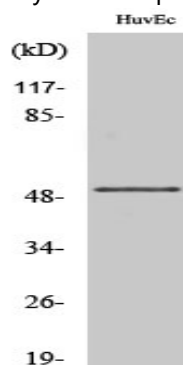
研究领域 (Research Area)

Inositol phosphate metabolism;Calcium;Phosphatidylinositol signaling system;

图片 (Image Data)



Western blot analysis of lysates from HUVEC cells, using IP3KA Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using IP3KA Polyclonal Antibody

注意事项 (Note)

For research use only .

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