

产品名称: HSL (phospho Ser552) Rabbit Polyclonal Antibody
产品货号: APRab04800



产品概述 (Summary)

产品名称 (Production Name)	HSL (phospho Ser552) 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)	LIPE
别名 (Alternative Names)	LIPE; Hormone-sensitive lipase; HSL
基因 ID (Gene ID)	3991.0
蛋白 ID (SwissProt ID)	Q05469.The antiserum was produced against synthesized peptide derived from human HSL around the phosphorylation site of Ser552. AA range:518-567

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)	117kDa

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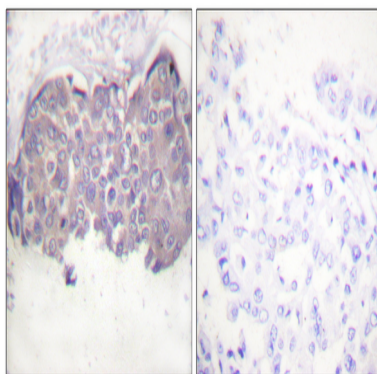
研究背景 (Background)

The protein encoded by this gene has a long and a short form, generated by use of alternative translational start codons. The long form is expressed in steroidogenic tissues such as testis, where it converts cholesteryl esters to free cholesterol for steroid hormone production. The short form is expressed in adipose tissue, among others, where it hydrolyzes stored triglycerides to free fatty acids. [provided by RefSeq, Jul 2008], catalytic activity: Diacylglycerol + H₂O = monoacylglycerol + a carboxylate., catalytic activity: Monoacylglycerol + H₂O = glycerol + a carboxylate., catalytic activity: Triacylglycerol + H₂O = diacylglycerol + a carboxylate., enzyme regulation: Rapidly activated by cAMP-dependent phosphorylation under the influence of catecholamines. Dephosphorylation and inactivation are controlled by insulin., function: In adipose tissue and heart, it primarily hydrolyzes stored triglycerides to free fatty acids, while in steroidogenic tissues, it principally converts cholesteryl esters to free cholesterol for steroid hormone production., pathway: Glycerolipid metabolism; triacylglycerol degradation., similarity: Belongs to the 'GDXG' lipolytic enzyme family., subcellular location: Found in the high-density caveolae. Translocates to the cytoplasm from the caveolae upon insulin stimulation., subunit: Interacts with PTRF in the adipocyte cytoplasm.,

研究领域 (Research Area)

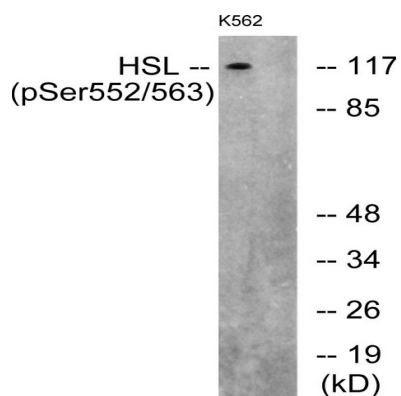
Insulin Receptor; AMPK

图片 (Image Data)

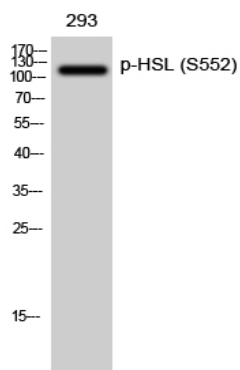


Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using HSL (Phospho-Ser552) Antibody.
The picture on the right is blocked with the phospho peptide.

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Western blot analysis of lysates from K562 cells, using HSL (Phospho-Ser552) Antibody. The lane on the right is blocked with the phospho peptide.



Western Blot analysis of 293 cells using Phospho-HSL (S552) Polyclonal Antibody diluted at 1: 500

注意事项 (Note)

For research use only .