

产品名称: Cleaved-C1s HC (R437) Rabbit Polyclonal Antibody
产品货号: APRab08951



产品概述 (Summary)

产品名称 (Production Name)	Cleaved-C1s HC (R437) Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

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)	C1S
别名 (Alternative Names)	C1S; Complement C1s subcomponent; C1 esterase; Complement component 1 subcomponent s
基因 ID (Gene ID)	716.0
蛋白 ID (SwissProt ID)	P09871.The antiserum was produced against synthesized peptide derived from human C1S. AA range:388-437

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	47+76kDa

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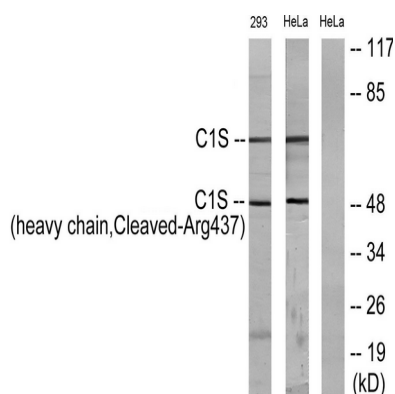
研究背景 (Background)

This gene encodes a serine protease, which is a major constituent of the human complement subcomponent C1. C1s associates with two other complement components C1r and C1q in order to yield the first component of the serum complement system. Defects in this gene are the cause of selective C1s deficiency. [provided by RefSeq, Mar 2009],catalytic activity: Cleavage of Arg-|-Ala bond in complement component C4 to form C4a and C4b, and Lys(or Arg)-|-Lys bond in complement component C2 to form C2a and C2b: the 'classical' pathway C3 convertase.,disease: Defects in C1S are the cause of selective C1s deficiency [MIM:120580]; that is associated with early onset multiple autoimmune diseases.,enzyme regulation: Inhibited by SERPING1.,function: C1s B chain is a serine protease that combines with C1q and C1r to form C1, the first component of the classical pathway of the complement system. C1r activates C1s so that it can, in turn, activate C2 and C4.,online information: C1S mutation db,PTM: The iron and 2-oxoglutarate dependent 3-hydroxylation of aspartate and asparagine is (R) stereospecific within EGF domains.,similarity: Belongs to the peptidase S1 family.,similarity: Contains 1 EGF-like domain.,similarity: Contains 1 peptidase S1 domain.,similarity: Contains 2 CUB domains.,similarity: Contains 2 Sushi (CCP/SCR) domains.,subunit: C1 is a calcium-dependent trimolecular complex of C1q, C1r and C1s in the molar ratio of 1:2:2. Activated C1s is an disulfide-linked heterodimer of a heavy chain and a light chain.,

研究领域 (Research Area)

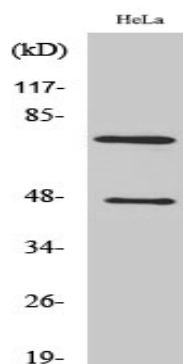
Complement and coagulation cascades; Systemic lupus erythematosus;

图片 (Image Data)



Western blot analysis of lysates from 293 and HeLa cells, treated with etoposide 25uM 1h, using C1S (heavy chain, Cleaved-Arg437) Antibody. The lane on the right is blocked with the synthesized peptide.

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Western Blot analysis of various cells using Cleaved-C1s HC (R437) Polyclonal Antibody

注意事项 (Note)

For research use only .