

产品名称: Cleaved-C1r LC (I464) Rabbit Polyclonal Antibody
产品货号: APRab08950



产品概述 (Summary)

产品名称 (Production Name)	Cleaved-C1r LC (I464) 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)	C1R
别名 (Alternative Names)	C1R; Complement C1r subcomponent; Complement component 1 subcomponent r
基因 ID (Gene ID)	715.0
蛋白 ID (SwissProt ID)	P00736.The antiserum was produced against synthesized peptide derived from human C1R. AA range:445-494

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)	27kDa

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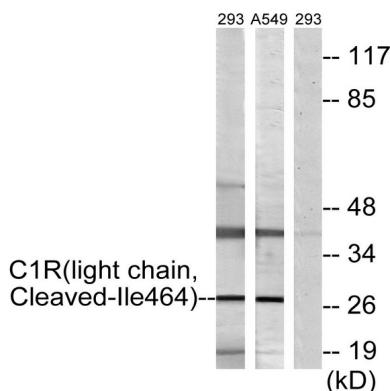
研究背景 (Background)

catalytic activity: Selective cleavage of Lys(or Arg)-|-Ile bond in complement subcomponent C1s to form the active form of C1s (EC 3.4.21.42)., function: C1r B chain is a serine protease that combines with C1q and C1s to form C1, the first component of the classical pathway of the complement system., polymorphism: Complement component C1r deficiency [MIM:216950] leads to the failure of the classical complement system activation pathway (C1 deficiency). Individuals with C1 deficiency are highly susceptible to infections by microorganisms and have greater risk in developing autoimmune diseases such as systemic lupus erythematosus (SLE)., 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. C1r is a dimer of identical chains, each of which is activated by cleavage into two chains, A and B, connected by disulfide bonds., catalytic activity: Selective cleavage of Lys(or Arg)-|-Ile bond in complement subcomponent C1s to form the active form of C1s (EC 3.4.21.42)., function: C1r B chain is a serine protease that combines with C1q and C1s to form C1, the first component of the classical pathway of the complement system., polymorphism: Complement component C1r deficiency [MIM:216950] leads to the failure of the classical complement system activation pathway (C1 deficiency). Individuals with C1 deficiency are highly susceptible to infections by microorganisms and have greater risk in developing autoimmune diseases such as systemic lupus erythematosus (SLE)., 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. C1r is a dimer of identical chains, each of which is activated by cleavage into two chains, A and B, connected by disulfide bonds.,

研究领域 (Research Area)

Complement and coagulation cascades; Systemic lupus erythematosus;

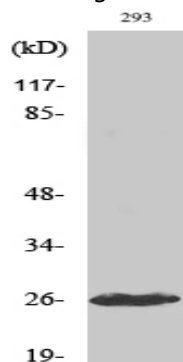
图片 (Image Data)



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Western blot analysis of lysates from 293 and A549 cells, treated with etoposide 25uM 1h, using C1R (light chain,Cleaved-Ile464) Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using Cleaved-C1r LC (I464) Polyclonal Antibody

注意事项 (Note)

For research use only .