

产品名称: Cleaved-Factor B Bb (K260) Rabbit Polyclonal Antibody
产品货号: APRab08986

产品概述 (Summary)

产品名称 (Production Name)	Cleaved-Factor B Bb (K260) 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,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)	CFB
别名 (Alternative Names)	CFB; BF; BFD; Complement factor B; C3/C5 convertase; Glycine-rich beta glycoprotein; GBG; PBF2; Properdin factor B
基因 ID (Gene ID)	629.0
蛋白 ID (SwissProt ID)	P00751.The antiserum was produced against synthesized peptide derived from human CFAB Bb. AA range:241-290

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)	57+85kDa

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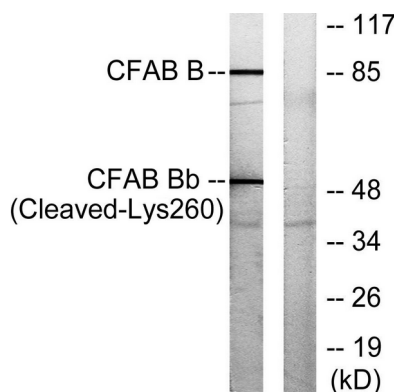
研究背景 (Background)

This gene encodes complement factor B, a component of the alternative pathway of complement activation. Factor B circulates in the blood as a single chain polypeptide. Upon activation of the alternative pathway, it is cleaved by complement factor D yielding the noncatalytic chain Ba and the catalytic subunit Bb. The active subunit Bb is a serine protease which associates with C3b to form the alternative pathway C3 convertase. Bb is involved in the proliferation of preactivated B lymphocytes, while Ba inhibits their proliferation. This gene localizes to the major histocompatibility complex (MHC) class III region on chromosome 6. This cluster includes several genes involved in regulation of the immune reaction. Polymorphisms in this gene are associated with a reduced risk of age-related macular degeneration. The polyadenylation site of this gene is 421 bp from the 5' end of the gene for complement catalytic activity: Cleavage of Arg-Ser bond in complement component C3 alpha-chain to yield C3a and C3b, and Arg-Xaa bond in complement component C5 alpha-chain to yield C5a and C5b., function: Factor B which is part of the alternate pathway of the complement system is cleaved by factor D into 2 fragments: Ba and Bb. Bb, a serine protease, then combines with complement factor 3b to generate the C3 or C5 convertase. It has also been implicated in proliferation and differentiation of preactivated B-lymphocytes, rapid spreading of peripheral blood monocytes, stimulation of lymphocyte blastogenesis and lysis of erythrocytes. Ba inhibits the proliferation of preactivated B-lymphocytes., polymorphism: Two major variants, F and S, and 2 minor variants, as well as at least 14 very rare variants, have been identified. The variants His-9 and Gln-32 are associated with a reduced risk of age-related macular degeneration (ARMD) [MIM:603075]. ARMD is a multifactorial eye disease and the most common cause of irreversible vision loss in the developed world., similarity: Belongs to the peptidase S1 family., similarity: Contains 1 peptidase S1 domain., similarity: Contains 1 VWFA domain., similarity: Contains 3 Sushi (CCP/SCR) domains., subunit: Monomer.,

研究领域 (Research Area)

Complement and coagulation cascades;

图片 (Image Data)



Western blot analysis of lysates from K562 cells, treated with etoposide 25uM 1h, using CFAB Bb (Cleaved-Lys260) Antibody. The lane on the right is blocked with the synthesized peptide.

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注意事项 (Note)

For research use only .