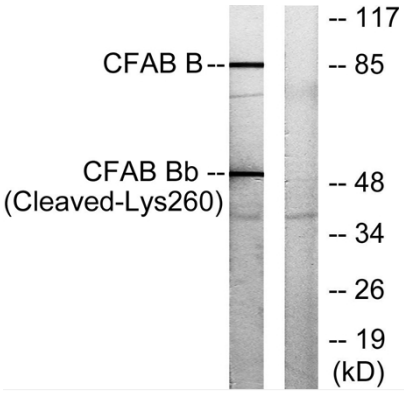
Cleaved-Factor B Bb (K260) Polyclonal Antibody

Catalog No	YP-Ab-13778
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	CFB
Protein Name	Complement factor B
Immunogen	The antiserum was produced against synthesized peptide derived from human CFAB Bb. AA range:241-290
Specificity	Cleaved-Factor B Bb (K260) Polyclonal Antibody detects endogenous levels of fragment of activated Factor B Bb protein resulting from cleavage adjacent to K260.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CFB; BF; BFD; Complement factor B; C3/C5 convertase; Glycine-rich beta glycoprotein; GBG; PBF2; Properdin factor B
Observed Band	57+85kD
Cell Pathway	Secreted.
Tissue Specificity	Blood,Colon,Liver,Plasma,
Function	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

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 complemen
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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.