

Rabbit Factor B Polyclonal Antibody | anti-CFB antibody

Anti-Factor B Antibody

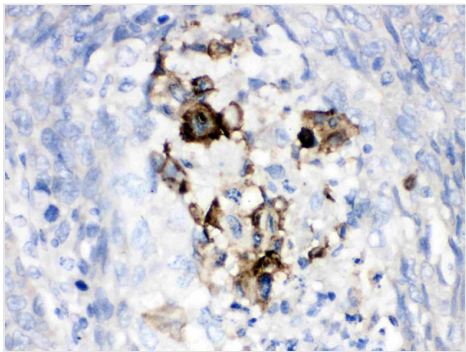
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46610	Rabbit	Human No cross reactivity with other proteins.	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

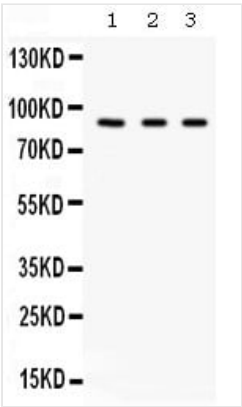
Factor B; Polyclonal Antibody; Anti-Factor B Antibody; AHUS4; B factor properdin; BF; BFD; C3 proaccelerator; C3 proactivator; CFAB; CFB; Complement Factor B; FB; FBI12; GBG; Glycine rich beta glycoprotein; H2 Bf; H2BF; PBF2; Properdin factor B; P00751; Complement factor B; anti-CFB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	764
Applicable Applications for anti-CFB antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human Factor B recombinant protein (Position: E518-L764). Human Factor B shares 84.2% amino acid (aa) sequence identity with mouse Factor B.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Na ₃ N.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



IHC (Immunohiostchemistry)
Factor B was detected in paraffin-embedded sections of human lung cancer tissues using rabbit anti- Factor B Antigen Affinity purified polyclonal antibody at 1 ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)
Western blot analysis of Factor B expression in A549 whole cell lysates (lane 1), 293T whole cell lysates (lane 2) and HELA whole cell lysates (lane 3). Factor B at 86KD was detected using rabbit anti- Factor B Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-CFB antibody	Rabbit IgG polyclonal antibody for Complement factor B (CFB) detection. Background: Complement factor B is a protein that in humans is encoded by the CFB gene. 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 component 2.
References	1. "Entrez Gene: CFB complement factor B". 2. Benkmann, H. G., Goedde, H. W., Agarwal, D. P., Flatz, G., Rahimi, A., Kaifie, R. S., Delbruck, H. Properdin factor B polymorphism in Afghanistan. Hum. Hered. 30: 39-43, 1980. 3. Campbell, R. D., Porter, R. R. Molecular cloning and characterization of the gene coding for human complement protein factor B.Proc. Nat. Acad. Sci. 80: 4464-4468, 1983.

NCBI AND UNIPROT INFORMATION

NCBI GI #	67782358
NCBI GeneID	629
NCBI Accession #	NP_001701.2
NCBI GenBank Nucleotide #	NM_001710.5
UniProt Accession #	P00751; O15006; Q29944; Q53F89; Q5JP67; Q5ST50; Q96HX6; Q9BTF5; Q9BX92; B0QZQ6
Molecular Weight	68,872 Da
NCBI Official Full Name	complement factor B preproprotein
NCBI Official Synonym Full Names	complement factor B
NCBI Official Symbol	CFB
NCBI Official Synonym Symbols	BF; FB; BFD; GBG; CFAB; CFBD; PBF2; AHUS4; FBI12; H2-Bf; ARMD14
NCBI Protein Information	complement factor B
UniProt Protein Name	Complement factor B

UniProt Gene Name	CFB
UniProt Synonym Gene Names	BF; BFD; GBG
UniProt Entry Name	CFAB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/factor-b-antibody-immunohistochemistry-western-blot-elisa/46610>