

Datasheet for ABIN652979

anti-Complement Factor B antibody (AA 469-494)**3** Images[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	Complement Factor B (CFB)
Binding Specificity:	AA 469-494
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Complement Factor B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This CFB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 469-494 amino acids from the Central region of human CFB.
Clone:	RB21500
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Complement Factor B (CFB)
Alternative Name:	CFB (CFB Products)

Target Details

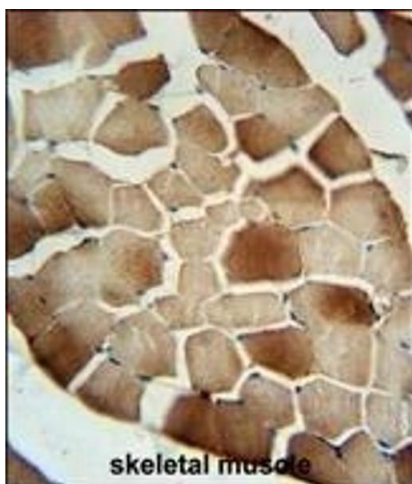
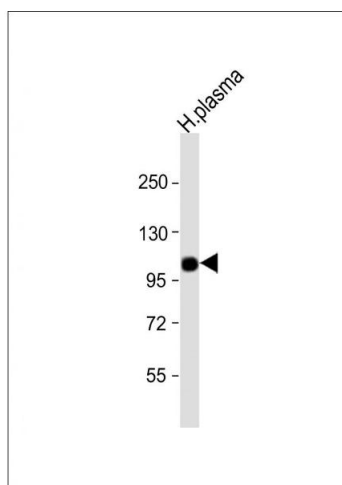
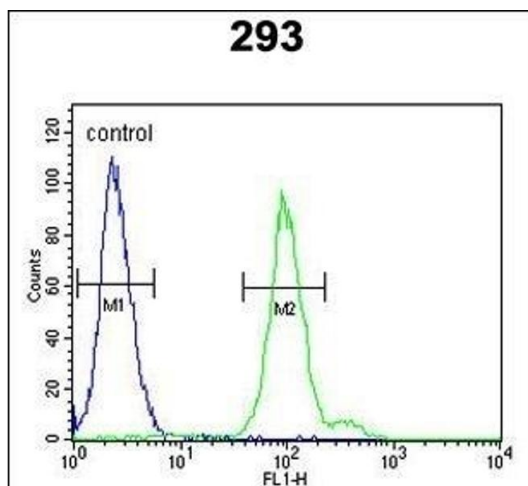
Background:	CFB encodes complement factor B, a component of the alternative pathway of complement activation. Factor B circulates in the blood as a single chain polypeptide. Upon activation of the alternative pathway, it is cleaved by complement factor D yielding the noncatalytic chain Ba and the catalytic 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.
Molecular Weight:	85533
Gene ID:	629
NCBI Accession:	NP_001701
UniProt:	P00751
Pathways:	Complement System , Proton Transport , Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Flow Cytometry

Image 1. CFB Antibody (Center) (ABIN652979 and ABIN2842621) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. Anti-CFB Antibody (Center) at 1:1000 dilution + human plasma lysate Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 86 kDa. Blocking/Dilution buffer: 5 % NFDm/TBST.

Immunohistochemistry (Paraffin-embedded Sections)

Image 3. CFB Antibody (Center) (ABIN652979 and ABIN2842621) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CFB Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.