

Rabbit CFP Polyclonal Antibody | anti-CFP antibody

Anti-CFP Antibody

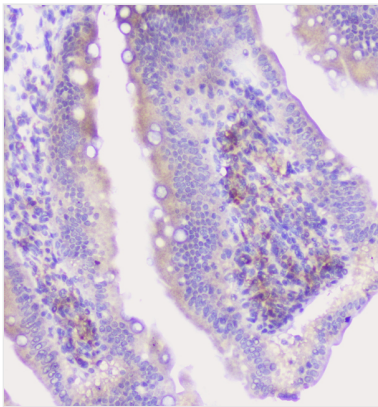
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA124910	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

CFP; Polyclonal Antibody; Anti-CFP Antibody; Properdin; Complement factor P; PFC; Complement factor properdin; anti-CFP antibody

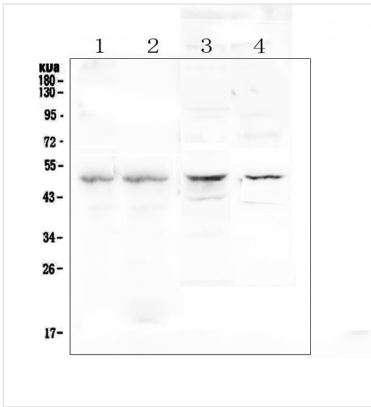
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized
Sequence Length	469
Applicable Applications for anti-CFP antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence of human CFP (MVEGQGEKNVTFWGRPLPRCEELQGQKLVEEKR).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Relevant Detection Systems	It is recommended to use an Enhanced Chemiluminescent Kit with anti-Rabbit IgG for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit for IHC-P.
Preparation and Storage	Store 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 (Immunohistochemistry)

Figure 3. IHC analysis of CFP using anti-CFP antibody.CFP was detected in paraffin-embedded section of human liver cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-CFP antibody.CFP was detected in paraffin-embedded section of human liver cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-CFP antibody.CFP was detected in paraffin-embedded section of human placenta tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-CFP antibody.CFP was detected in paraffin-embedded section of mouse kidney tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-CFP antibody.CFP was detected in paraffin-embedded section of rat liver tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-CFP antibody.CFP was detected in paraffin-embedded section of rat intestine tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-CFP Antibody overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of CFP using anti-CFP antibody.Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: human placenta tissue lysates,Lane 2: human U-937 whole cell lysate,Lane 3: rat brain tissue lysates,Lane 4: mouse brain tissue lysates.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CFP antigen affinity purified polyclonal antibody at 0.5 ug/ml overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for CFP at approximately 51KD. The expected band size for CFP is at 51KD.

ADDITIONAL INFORMATION

Related Product Information for anti-CFP antibody	Description: Rabbit IgG polyclonal antibody for CFP detection. Tested with WB, IHC-P in Human; Mouse; Rat. Background: Properdin (factor P) is a plasma protein that is active in the alternative complement pathway of the innate immune system. It is mapped to Xp11.23. This protein binds to many microbial surfaces and apoptotic cells and stabilizes the C3- and C5-convertase enzyme complexes in a feedback loop that ultimately leads to formation of the membrane attack complex and lysis of the target cell. Mutations in this gene result in two forms of properdin deficiency, which results in high susceptibility to meningococcal infections. Multiple alternatively spliced variants, encoding the same protein, have been identified.
References	1. Ash, S., Johnson, C., Shohat, M., Shohat, T., Schlesinger, M. Further mapping of the properdin deficiency gene in a Tunisian Jewish family--evidence for genetic homogeneity. Isr. J. Med. Sci. 30: 626-628, 1994. 2. Coleman, M. P., Murray, J. C., Willard, H. F., Nolan, K. F., Reid, K. B. M., Blake, D. J., Lindsay, S., Bhattacharya, S. S., Wright, A., Davies, K. E. Genetic and physical mapping around the properdin P gene. Genomics 11: 991-996, 1991.

NCBI AND UNIPROT INFORMATION

NCBI GI #	223671861
NCBI GeneID	5199
NCBI Accession #	NP_001138724.1
NCBI GenBank Nucleotide #	NM_001145252.1

UniProt Accession #	P27918; O15134; O15135; O15136; O75826
Molecular Weight	51,276 Da
NCBI Official Full Name	properdin
NCBI Official Synonym Full Names	complement factor properdin
NCBI Official Symbol	CFP
NCBI Official Synonym Symbols	BFD; PFC; PFD; PROPERDIN
NCBI Protein Information	properdin
UniProt Protein Name	Properdin
UniProt Gene Name	CFP
UniProt Synonym Gene Names	PFC

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://stage.aaabiotech.com/polyclonal/cfp-antibody-immunohistochemistry-western-blot-elisa/124910>