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CFP Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9941c

Specification

CFP Antibody (Center) - Product Information

Application	**WB, FC,E**
Primary Accession	P27918
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**51276**
Antigen Region	**197-223**

CFP Antibody (Center) - Additional Information

Gene ID 5199

Other Names
Properdin, Complement factor P, CFP, PFC

Target/Specificity
This CFP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 197-223 amino acids from the Central region of human CFP.

Dilution
WB~~1:500
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
CFP Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

CFP Antibody (Center) - Protein Information

Name CFP

Synonyms PFC

Function A positive regulator of the alternate pathway (AP) of complement (PubMed:20382442, PubMed:28264884). It binds to and stabilizes the C3- and C5-convertase enzyme complexes (PubMed:20382442, PubMed:28264884). Inhibits CFI-CFH mediated degradation of Complement C3 beta chain (C3b) (PubMed:31507604).

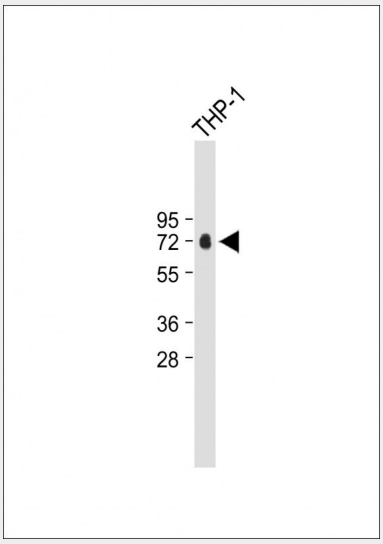
Cellular Location
Secreted

CFP Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

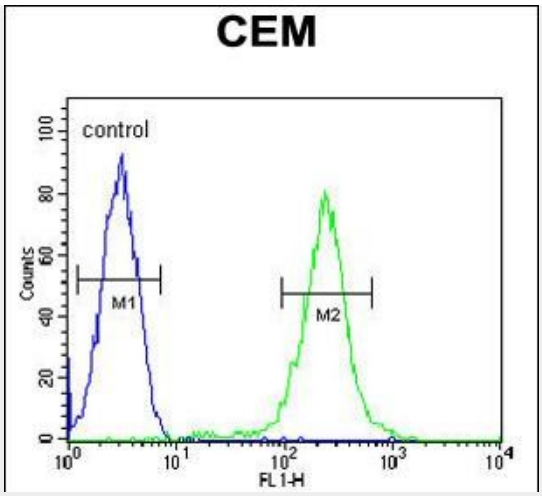
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CFP Antibody (Center) - Images



Anti-CFP Antibody (Center) at 1:500 dilution + THP-1 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 51 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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CFP Antibody (Center) (Cat. #AP9941c) flow cytometric analysis of CEM cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

CFP Antibody (Center) - Background

This gene encodes a plasma glycoprotein that positively regulates the alternative complement pathway of the innate immune system. 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.

CFP Antibody (Center) - References

Seitsonen, S., et al. Mol. Immunol. 47(6):1334-1336(2010)
Chapuis, J., et al. Mol. Psychiatry 14(11):1004-1016(2009)
Wolf-Schnurrbusch, U.E., et al. Retina (Philadelphia, Pa.) 29(7):966-973(2009)
Keslar, K., et al. Transplantation 86(9):1319-1321(2008)
Hartmann, S., et al. J. Biol. Chem. 275(37):28569-28574(2000)