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Properdin Rabbit pAb

Catalog # AP97636

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	P27918
Other Accession	P27918
Predicted	Rat, Human, Mouse, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51276
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Properdin
Epitope Specificity	401-469/469
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 6 TSP type-1 domains.
DISEASE	Defects in CFP are the cause of properdin deficiency (PFD) [MIM:312060]. PFD results in higher susceptibility to bacterial infections; especially to meningococcal infections. Three phenotypes have been reported: complete deficiency (type I), incomplete deficiency (type II), and dysfunction of properdin (type III).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	positive regulator of the alternate pathway of complement. It binds to and stabilizes the C3- and C5-convertase enzyme complexes. Involvement in disease:Defects in CFP are the cause of properdin deficiency (PFD). PFD results in higher susceptibility to bacterial infections; especially to meningococcal infections. Three phenotypes have been reported: complete deficiency (type I), incomplete deficiency (type II), and dysfunction of properdin (type III).

Additional Information

Gene ID	5199
Other Names	BFD; PFC; PFD; PROPERDIN; BCFG; PROP_HUMAN; CFP; Complement factor P; PROP_MOUSE; complement factor properdin; properdin P factor, complement
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CFP (HGNC:8864)
Synonyms	PFC
Function	A positive regulator of the alternate pathway (AP) of complement (PubMed:16301317, PubMed:20382442, PubMed:28264884, PubMed:9748277). It binds to and stabilizes the C3- and C5-convertase enzyme complexes (PubMed:16301317, PubMed:20382442, PubMed:28264884, PubMed:9748277). Inhibits CFI-CFH mediated degradation of Complement C3 beta chain (C3b) (PubMed:31507604).
Cellular Location	Secreted

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.