For Research Use Only

Properdin/PFC Polyclonal antibody

Catalog Number:17192-1-AP 6 Publications

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Basic Information

Catalog Number:
17192-1-AP

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG9798

GenBank Accession Number:
BC015756

GeneID (NCBI):
5199

UNIPROT ID:
P27918

Full Name:
complement factor properdin

Calculated MW:
469 aa, 51 kDa

Observed MW:
50 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:200-1:1000
IHC: 1:20-1:200

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB, IHC, IF, ELISA

Species Specificity:
human

Cited Species:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : Jurkat cells,

IHC : human spleen tissue,

Background Information

CFP, also named as Properdin or PFC, is a 469 amino acid protein, which contains 7 TSP type-1 domains. CFP as secreted protein is a positive regulator of the alternate pathway of complement. It binds to and stabilizes the C3- and C5-convertase enzyme complexes. Properdin deficiency poses a significant risk for severe meningococcal infections (PMID: 22229731). Properdin may be novel biomarker for future risk of type 2 diabetes (PMID: 22338105).

Notable Publications

Author	Pubmed ID	Journal	Application
Yunfeng Hu	36209218	Cell Death Dis	WB
Anika Alberts	32286427	Sci Rep	WB
Guoliang Cui	33976747	J Cancer	IHC

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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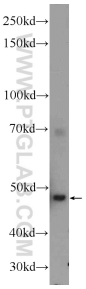
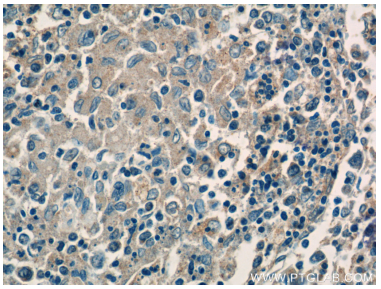
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 17192-1-AP (CFP Antibody) at dilution of 1:300 incubated at 4 degree celsius over night.



Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 17192-1-AP (CFP Antibody) at dilution of 1:50 (under 40x lens).