

For Research Use Only

Properdin/PFC Polyclonal antibody

Catalog Number: 17192-1-AP

4 Publications



Basic Information

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| Catalog Number: 17192-1-AP | GenBank Accession Number: BC015756 | Purification Method: Antigen affinity purification |
| Concentration: 350 ug/ml | GeneID (NCBI): 5199 | Recommended Dilutions: WB: 1:200-1:1000 IHC: 1:20-1:200 |
| Source: Rabbit | UNIPROT ID: P27918 | |
| Isotype: IgG | Full Name: complement factor properdin | |
| Immunogen Catalog Number: AG9798 | Calculated MW: 469 aa, 51 kDa Observed MW: 50 kDa | |

Applications

| | |
|--|-----------------------------------|
| Tested Applications: WB, IHC, ELISA | Positive Controls: |
| Cited Applications: WB, IHC, IF | WB : Jurkat cells, |
| Species Specificity: human | IHC : human spleen tissue, |
| Cited Species: human | |
| Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | |

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:

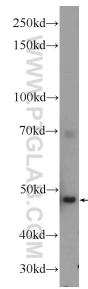
T: 4006900926

E: Proteintech-CN@ptglab.com

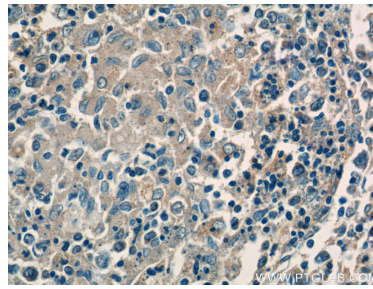
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Selected Validation Data



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).