

For Research Use Only

Complement factor D Polyclonal antibody

Catalog Number: 26050-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

26050-1-AP

Size:

400 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG23473

GenBank Accession Number:

BC057807

GeneID (NCBI):

1675

UNIPROT ID:

P00746

Full Name:

complement factor D (adipsin)

Calculated MW:

253 aa, 27 kDa

Observed MW:

27 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human

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

Positive Controls:

WB : human plasma tissue, human placenta tissue, human plasma

IHC : human stomach tissue,

Background Information

Complement factor D, also known as adipsin, is a highly specific serine protease. Complement factor D is the rate-limiting enzyme in the alternative pathway of complement. It activates C3 convertase by cleaving factor B, which is a key step in the alternative pathway. Complement factor D catalyzes the cleavage of factor B to generate Ba (non-catalytic chain) and Bb (active catalytic subunit), which together with C3(H₂O) (or C3b) constitute the active C3 convertase C3(H₂O)Bb (or C3bBb). (PMID: 34566967; PMID: 27775713).

Notable Publications

| Author | Pubmed ID | Journal | Application |
|------------|-----------|---------------|-------------|
| Muyao Ye | 34642907 | Immunol Res | WB |
| Zheng Wang | 37188751 | Hypertens Res | WB |

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

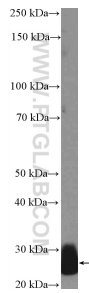
T: 4006900926

E: Proteintech-CN@ptglab.com

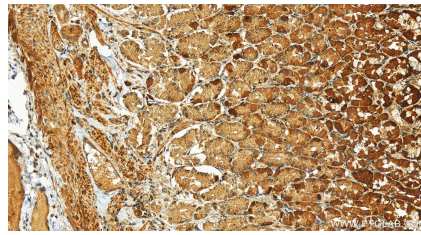
W: ptgcn.com

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Selected Validation Data



human plasma were subjected to SDS PAGE followed by western blot with 26050-1-AP (Complement factor D Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 26050-1-AP (Complement factor D antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).