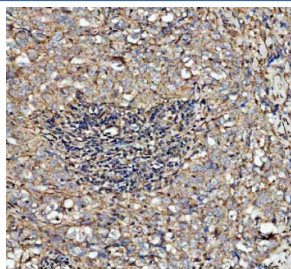


## CFD Antibody / Complement Factor D (RQ4073)

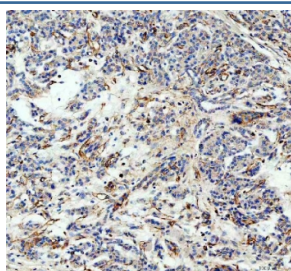
| Catalog No. | Formulation                                           | Size   |
|-------------|-------------------------------------------------------|--------|
| RQ4073      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

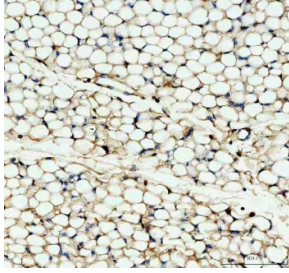
|                           |                                                                                                    |
|---------------------------|----------------------------------------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                                                                  |
| <b>Species Reactivity</b> | Human, Mouse, Rat                                                                                  |
| <b>Format</b>             | Antigen affinity purified                                                                          |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                                                                         |
| <b>Isotype</b>            | Rabbit IgG                                                                                         |
| <b>Purity</b>             | Antigen affinity purified                                                                          |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2% Trehalose                                                          |
| <b>UniProt</b>            | P00746                                                                                             |
| <b>Localization</b>       | Secreted                                                                                           |
| <b>Applications</b>       | Western Blot : 0.5-1ug/ml<br>Immunohistochemistry (FFPE) : 2-5ug/ml<br>Direct ELISA : 0.1-0.5ug/ml |
| <b>Limitations</b>        | This CFD antibody is available for research use only.                                              |



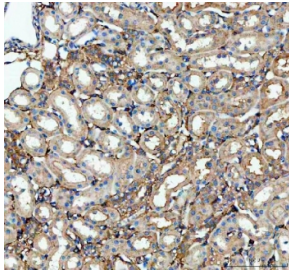
IHC staining of FFPE human breast cancer tissue with CFD antibody. Required HIER: steam section in pH8 EDTA buffer for 20 min and allow to cool prior to testing.



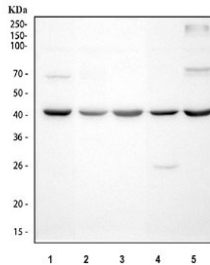
IHC staining of FFPE human pancreatic cancer tissue with CFD antibody. Required HIER: steam section in pH8 EDTA buffer for 20 min and allow to cool prior to testing.



IHC staining of FFPE mouse adipose tissue with CFD antibody. Required HIER: steam section in pH8 EDTA buffer for 20 min and allow to cool prior to testing.



IHC staining of FFPE rat kidney tissue with CFD antibody. Required HIER: steam section in pH8 EDTA buffer for 20 min and allow to cool prior to testing.



Western blot testing of 1) human ThP-1, 2) human HeLa, 3) rat lung, 4) mouse lung and 5) mouse NIH 3T3 cell lysate with CFD antibody. Predicted molecular weight ~27 kDa.

## Description

Factor D is a protein which in humans is encoded by the CFD gene. The protein encoded by this gene is a member of the trypsin family of peptidases. The encoded protein is a component of the alternative complement pathway best known for its role in humoral suppression of infectious agents. It is also a serine protease that is secreted by adipocytes into the bloodstream. And it stimulates glucose transport for triglyceride accumulation in fats cells and inhibits lipolysis. Finally, the encoded protein has a high level of expression in fat, suggesting a role for adipose tissue in immune system biology.

## Application Notes

Optimal dilution of the CFD antibody should be determined by the researcher.

## Immunogen

A recombinant human partial protein corresponding to amino acids I26-A253 was used as the immunogen for the CFD antibody.

## Storage

After reconstitution, the CFD antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

