

# CFHR5 Antibody

Catalog No: #48416

Package Size: #48416-1 50ul #48416-2 100ul



**SAB**<sup>®</sup>

Signalway Antibody

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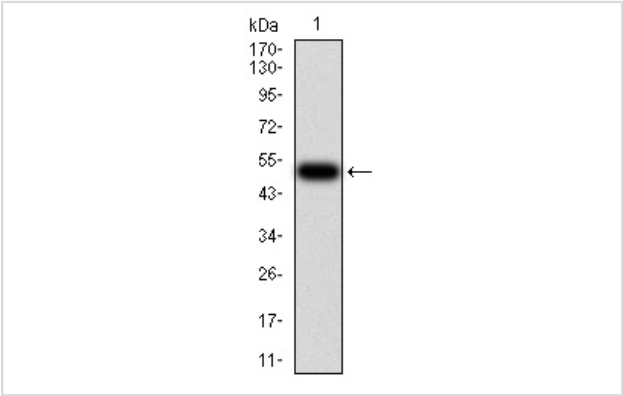
## Description

|                       |                                                                                                                                                                                                                                                                                                                            |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | CFHR5 Antibody                                                                                                                                                                                                                                                                                                             |
| Host Species          | Mouse                                                                                                                                                                                                                                                                                                                      |
| Clonality             | Monoclonal                                                                                                                                                                                                                                                                                                                 |
| Purification          | ProA affinity purified                                                                                                                                                                                                                                                                                                     |
| Applications          | WB, ICC, IHC, FC                                                                                                                                                                                                                                                                                                           |
| Species Reactivity    | Hu, Ms                                                                                                                                                                                                                                                                                                                     |
| Immunogen Description | Recombinant protein                                                                                                                                                                                                                                                                                                        |
| Conjugates            | Unconjugated                                                                                                                                                                                                                                                                                                               |
| Other Names           | CFHL5 antibody CFHR5 antibody CFHR5D antibody Complement factor H-related 5 antibody Complement factor H-related protein 5 antibody factor H-related gene 5 antibody factor H-related protein 5 antibody FHR-5 antibody FHR5 antibody FHR5_HUMAN antibody FLJ10549 antibody MGC133240 antibody OTTHUMP00000034672 antibody |
| Accession No.         | Swiss-Prot#:Q9BXR6                                                                                                                                                                                                                                                                                                         |
| Calculated MW         | 64 kDa                                                                                                                                                                                                                                                                                                                     |
| Formulation           | 1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.                                                                                                                                                                                                                                                       |
| Storage               | Store at -20°C                                                                                                                                                                                                                                                                                                             |

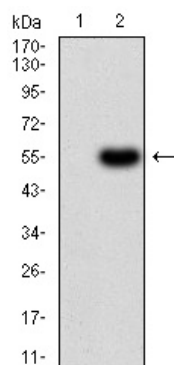
## Application Details

WB: 1:500-1:2,000IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:200

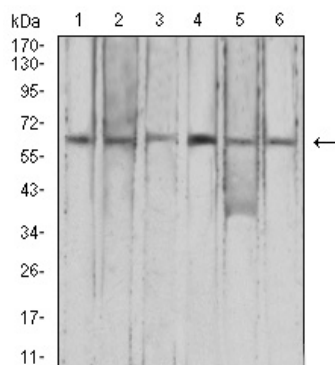
## Images



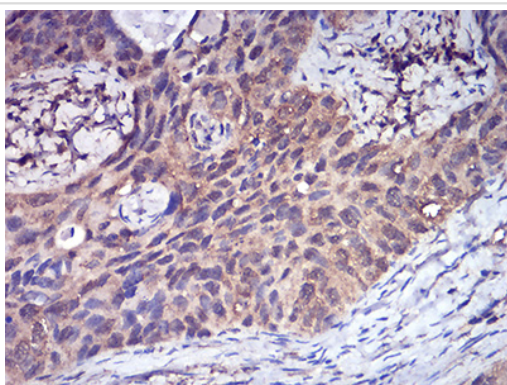
Western blot analysis of CFHR5 on human CFHR5 recombinant protein using anti-CFHR5 antibody at 1/1,000 dilution.



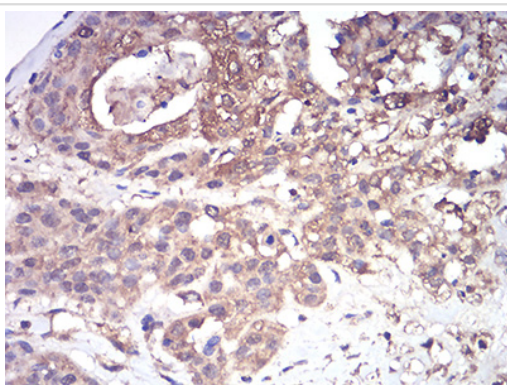
Western blot analysis of CFHR5 on HEK293 (1) and CFHR5-hlgGfc transfected HEK293 (2) cell lysate using anti-CFHR5 antibody at 1/1,000 dilution.



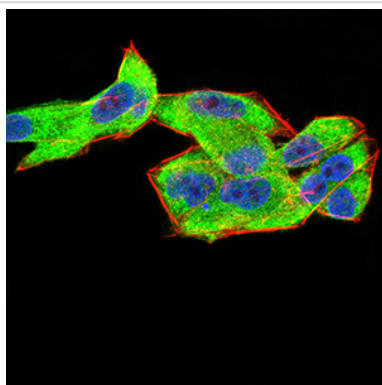
Western blot analysis of CFHR5 on different cell lysate using anti-CFHR5 antibody at 1/1,000 dilution. Positive control  $\Omega\frac{1}{2}\Omega\frac{1}{2}$  Lane1: HepG2 Lane2: K562 Lane3: L-02 Lane4: SK-Hep-1 Lane5: SMMC-7721 Lane6: NIH/3T3



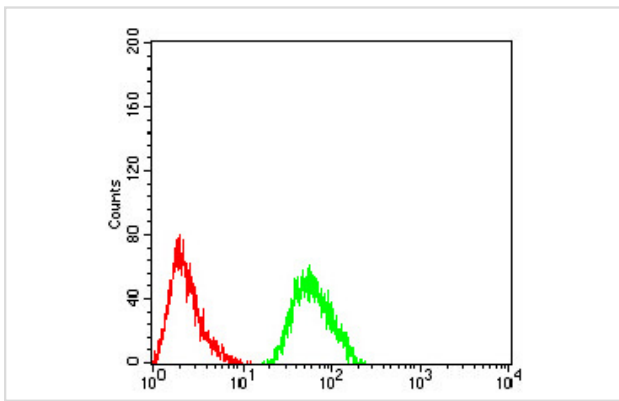
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue using anti-CFHR5 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human ovarian cancer tissue using anti-CFHR5 antibody. Counter stained with hematoxylin.



ICC staining CFHR5 (green) and Actin filaments (red) in Hela cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of HeLa cells with CFHR5 antibody at 1/100 dilution (green) compared with an unlabelled control (cells without incubation with primary antibody; red).

## Background

Involved in complement regulation. The dimerized forms have avidity for tissue-bound complement fragments and efficiently compete with the physiological complement inhibitor CFH. This gene is a member of a small complement factor H (CFH) gene cluster on chromosome 1. Each member of this gene family contains multiple short consensus repeats (SCRs) typical of regulators of complement activation. The protein encoded by this gene has nine SCRs with the first two repeats having heparin binding properties, a region within repeats 5-7 having heparin binding and C reactive protein binding properties, and the C-terminal repeats being similar to a complement component 3 b (C3b) binding domain. This protein co-localizes with C3, binds C3b in a dose-dependent manner, and is recruited to tissues damaged by C-reactive protein. Allelic variations in this gene have been associated, but not causally linked, with two different forms of kidney disease: membranoproliferative glomerulonephritis type II (MPGNII) and hemolytic uraemic syndrome (HUS).

## References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.