

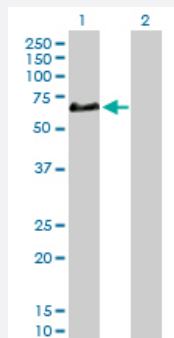
MaxPab®

# CFHR5 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00081494-D01P

Size 100 ug

## Applications



### Western Blot (Transfected lysate)

Western Blot analysis of CFHR5 expression in transfected 293T cell line ([H00081494-T02](#)) by CFHR5 MaxPab polyclonal antibody.

Lane 1: CFHR5 transfected lysate(64.40 KDa).

Lane 2: Non-transfected lysate.

## Specification

### Product Description

Rabbit polyclonal antibody raised against a full-length human CFHR5 protein.

### Immunogen

CFHR5 (NP\_110414.1, 1 a.a. ~ 569 a.a) full-length human protein.

### Sequence

MLLLFSVILISWVSTVGEGTLCDFPKIHGFLYDEEDYNPFSQVPTGEVFYYSCEYNFVSPSKSF  
WTRITCTEEGWSPTPKCLRMCSFPFVKNGHSESSGLIHLEGDTVQICNTGYSLQNNEKNISCV  
GWSTPPICSFTKGECHVPILEANVDAQPKKESYKVGDLKFSCRKNLIRVGSDSVQCQYQFGWSP  
NFPTCKGQVRSCGPPPPQLSNGEVKEIRKEEYGHNEVVEYDCNPNIINGPKKIQCVDGEWTTLP  
CQEKVKTGCGIPELEYGYVQSVPPYQHGVSVENCRNEYAMIGNNMITCINGWTELPMTVCVATHQ  
LKRCKIAGVNIKTLLKLSGKEFNHNSRIRYRCSDFRYRHSVCINGKWNPEVDCTEKREQFCPPPP  
QIPNAQNMTTTVNYQDGEKVAVLCKENYLLPEAKEIVCKDGRWQSLPRCVSTAYCGPPPSINNG  
DTSFPLSVYPPGSTVTYRCQSFYKLQGSVTVTNRNKQWSEPPRCLDPCVVSEENMNKNNIQLK  
WRNDGKLYAKTGDAVEFQCKFPHKAMISSPPFRAICQEGKFEYPICE

### Host

Rabbit

### Reactivity

Human

### Quality Control Testing

Antibody reactive against mammalian transfected lysate.

### Storage Buffer

In 1x PBS, pH 7.4

## Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

## Gene Info — CFHR5

Entrez GeneID [81494](#)

GeneBank Accession# [NM\\_030787](#)

Protein Accession# [NP\\_110414.1](#)

Gene Name CFHR5

Gene Alias CFHL5, FHR-5, FHR5, FLJ10549, MGC133240

Gene Description complement factor H-related 5

Omim ID [608593](#)

Gene Ontology [Hyperlink](#)

Other Designations factor H-related protein 5

## Publication Reference

- [A Family Affair: Addressing the Challenges of Factor H and the Related Proteins.](#)

Felix Poppelaars, Elena Goicoechea de Jorge, Ilse Jongerius, Antje J Baeumner, Mark-Steven Steiner, Mihály Józsi, Erik J M Toonen, Diana Pauly, SciFiMed consortium.

Frontiers in Immunology 2021 Mar; 12:660194.

Application: ELISA, IHC, Human, Human kidney

- [Gain-of-function factor H-related 5 protein impairs glomerular complement regulation resulting in kidney damage.](#)

Talat H Malik, Daniel P Gitterman, Deborah P Lavin, Hannah J Lomax-Browne, E Christina Hiemeyer, Linda B Moran, Katharina Boroviak, H Terence Cook, Alyssa C Gilmore, Mawj Mandwie, Amina Ahmad, Ian E Alexander, Grant J Logan, Kevin J Marchbank, Allan Bradley, Matthew C Pickering.

PNAS 2021 Mar; 118(13):e202272211.

Application: Cap Ab, ELISA, IF, Mouse, Mouse kidney, Mouse plasma

- [Glomerular complement factor H related protein 5 \(FHR5\) is highly prevalent in C3 glomerulopathy and associated with renal impairment.](#)

Medjeral-Thomas NR, Moffitt H, Lomax-Browne HJ, Constantinou N, Cairns T, Cook HT, Pickering MC.

Kidney International Reports 2019 Jun; 4(10):1387.

Application: IF, IHC-P, Human, Human kidney

- [Circulating complement factor H-related protein 5 levels contribute to development and progression of IgA nephropathy.](#)

Zhu L, Guo WY, Shi SF, Liu LJ, Lv JC, Medjeral-Thomas NR, Lomax-Browne HJ, Pickering MC, Zhang H.

Kidney International 2018 Jul; 94(1):150.

Application: ELISA, Human, Plasma

- [Rapid isolation of pure Complement Factor H from serum for functional studies by the use of a monoclonal antibody that discriminates FH from all the other isoforms.](#)

Berra S, Clivio A.

Molecular Immunology 2016 Apr; 72:65.

Application: WB, Human, Serum

- [A novel CFHR5 fusion protein causes C3 glomerulopathy in a family without Cypriot ancestry.](#)

Medjeral-Thomas N, Malik TH, Patel MP, Toth T, Terence Cook H, Tomson C, Pickering MC.

Kidney International 2014 Apr; 85(4):933.

Application: WB, Human, Serum

## Disease

- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Hemolytic-Uremic Syndrome](#)
- [Lymphoma](#)

- [Macular Degeneration](#)