

CFHR5 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP5689c**Specification**

CFHR5 Antibody (Center) Blocking peptide - Product Information

Primary Accession [O9BXR6](#)
Other Accession [NP_110414.1](#)

CFHR5 Antibody (Center) Blocking peptide - Additional Information

Gene ID 81494

Other Names

Complement factor H-related protein 5, FHR-5, CFHR5, CFHL5, FHR5

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CFHR5 Antibody (Center) Blocking peptide - Protein Information

Name CFHR5

Synonyms CFHL5, FHR5

Function

Involved in complement regulation. The dimerized forms have avidity for tissue-bound complement fragments and efficiently compete with the physiological complement inhibitor CFH.

Cellular Location

Secreted.

Tissue Location

Expressed by the liver and secreted in plasma.

CFHR5 Antibody (Center) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

CFHR5 Antibody (Center) Blocking peptide - Images

CFHR5 Antibody (Center) Blocking peptide - Background

CFHR5 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 3b (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 uremic syndrome (HUS). [provided by RefSeq].

CFHR5 Antibody (Center) Blocking peptide - References

McRae, J.L., et al. *Genetica* 114(2):157-161(2002) Murphy, B., et al. *Am. J. Kidney Dis.* 39(1):24-27(2002) Narkio-Makela, M., et al. *Clin. Immunol.* 100(1):118-126(2001) McRae, J.L., et al. *J. Biol. Chem.* 276(9):6747-6754(2001)