

CFHR5 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO2242a**Specification****CFHR5 Antibody - Product Information**

Application	E, WB, IF, FC, IHC
Primary Accession	O9BXR6
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Calculated MW	64.4kDa KDa

Description

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).

Immunogen

Purified recombinant fragment of human CFHR5 (AA: 344-569) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

CFHR5 Antibody - Additional Information

Gene ID 81494

Other Names

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

Dilution

E~~1/10000
WB~~1/500 - 1/2000
IF~~1/200 - 1/1000
FC~~1/200 - 1/400
IHC~~1/200 - 1/1000

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CFHR5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CFHR5 Antibody - 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 - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)