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CFHR5 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO2223a

Product Information

Application	WB, IHC, FC, ICC, E
Primary Accession	Q9BXR6
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	3E1E10
Isotype	IgG1
Calculated MW	64419
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

Additional Information

Gene ID	81494
Other Names	Complement factor H-related protein 5, FHR-5, CFHR5, CFHL5, FHR5
Dilution	WB~~1/500 - 1/2000 IHC~~1/200 - 1/1000 FC~~1/200 - 1/400 ICC~~N/A E~~1/10000
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.

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.

References

1.Kidney Int. 2014 Apr;85(4):933-7.2.Dis Model Mech. 2011 Nov;4(6):721-6.

Images

