DATASHEET

Complement Factor H Rabbit Polyclonal Antibody

CAT. NO. APA14205

KEY FEATURES

Target	Complement Factor H	Source / Host	Rabbit
Reactivity	Human, Mouse	Clonality	Polyclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Glycoprotein that plays an essential role in maintaining a well-balanced immune response by modulating complement activation. Acts as a soluble inhibitor of complement, where its binding to self markers such as glycan structures prevents complement activation and amplification on cell surfaces . Accelerates the decay of the complement alternative pathway (AP) C3 convertase C3bBb, thus preventing local formation of more C3b, the central player of the complement amplification loop . As a cofactor of the serine protease factor I, CFH also regulates proteolytic degradation of already-deposited C3b . In addition, mediates several cellular responses through interaction with specific receptors.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IHC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to Complement Factor H
Specificity	Recognizes endogenous levels of Complement Factor H protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human Complement Factor H
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 51; Observed: 150 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	HF; HF1; HF2; Complement factor H; H factor 1
Gene Symbol	CFH
Entrez Gene	3075(Human)
SwissProt	P08603(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

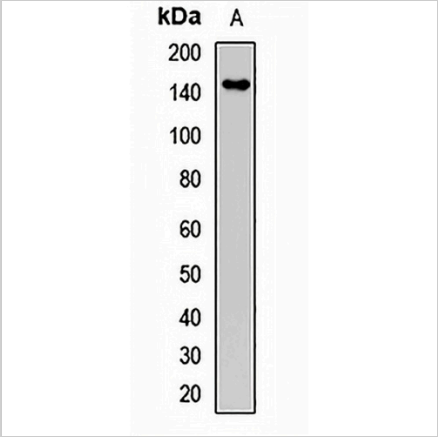
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA



Western blot analysis of Complement Factor H expression in HepG2 (A) whole cell lysates. (Predicted band size: 51; 139 kD; Observed band size: 150 kD)



Immunohistochemical analysis of Complement Factor H staining in human liver cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.