

**Factor H Antibody**  
**Rabbit mAb**  
**Catalog # AP91404**

## Specification

---

### Factor H Antibody - Product Information

Application	<b>WB, ICC</b>
Primary Accession	<a href="#">P08603</a>
Clonality	<b>Monoclonal</b>
<b>Other Names</b>	
AHUS1; AMBP1; ARMD4; ARMS1; beta1H; CFH; CFHL3; complement factor H, isoform b; Factor H; factor H like 1; FHL1; HF1; HF2; HUS;	
Isotype	<b>Rabbit IgG</b>
Host	<b>Rabbit</b>
Calculated MW	<b>139096 Da</b>

### Factor H Antibody - Additional Information

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human Factor H</b>
Description	<b>Factor H functions as a cofactor in the inactivation of C3b by factor I and also increases the rate of dissociation of the C3bBb complex (C3 convertase) and the (C3b)NBB complex (C5 convertase) in the alternative complement pathway.</b>
Storage Condition and Buffer	<b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>

### Factor H Antibody - Protein Information

**Name** CFH

**Synonyms** HF, HF1, HF2

#### Function

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 (PubMed: [21285368](http://www.uniprot.org/citations/21285368), PubMed: [25402769](http://www.uniprot.org/citations/25402769)). 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 (PubMed: [19503104](http://www.uniprot.org/citations/19503104))

target="\_blank">19503104</a>, PubMed:<a href="http://www.uniprot.org/citations/26700768" target="\_blank">26700768</a>). As a cofactor of the serine protease factor I, CFH also regulates proteolytic degradation of already-deposited C3b (PubMed:<a href="http://www.uniprot.org/citations/18252712" target="\_blank">18252712</a>, PubMed:<a href="http://www.uniprot.org/citations/23332154" target="\_blank">23332154</a>, PubMed:<a href="http://www.uniprot.org/citations/28671664" target="\_blank">28671664</a>). In addition, mediates several cellular responses through interaction with specific receptors. For example, interacts with CR3/ITGAM receptor and thereby mediates the adhesion of human neutrophils to different pathogens. In turn, these pathogens are phagocytosed and destroyed (PubMed:<a href="http://www.uniprot.org/citations/20008295" target="\_blank">20008295</a>, PubMed:<a href="http://www.uniprot.org/citations/9558116" target="\_blank">9558116</a>).

### Cellular Location

Secreted.

### Tissue Location

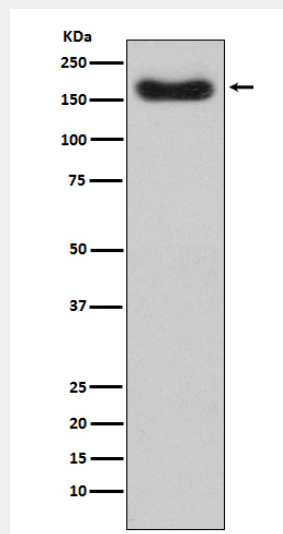
Expressed in the retinal pigment epithelium (at protein level) (PubMed:25136834). CFH is one of the most abundant complement components in blood where the liver is the major source of CFH protein in vivo. In addition, CFH is secreted by additional cell types including monocytes, fibroblasts, or endothelial cells (PubMed:2139673, PubMed:25136834, PubMed:2968404, PubMed:6444659)

### Factor H 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](#)

### Factor H Antibody - Images



Western blot analysis of Factor H expression in human plasma lysate.