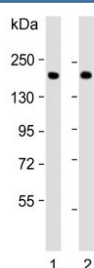


Complement factor H Antibody / CFH (F54343)

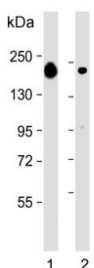
Catalog No.	Formulation	Size
F54343-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54343-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

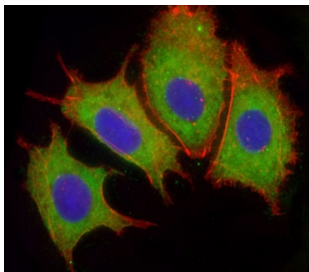
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
UniProt	P08603
Applications	Immunohistochemistry (FFPE) : 1:25 Western Blot : 1:500-1:2000 Immunofluorescence : 1:25
Limitations	This Complement factor H antibody is available for research use only.



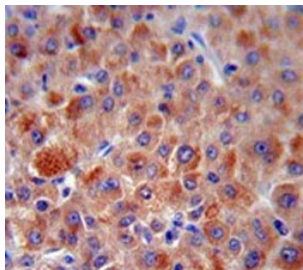
Western blot testing of human 1) lung and 2) plasma lysate with Complement factor H antibody. Predicted molecular weight ~139 kDa but may be observed at a higher molecular weight due to glycosylation.



Western blot testing of human 1) plasma and 2) kidney lysate with Complement factor H antibody. Predicted molecular weight ~139 kDa but may be observed at a higher molecular weight due to glycosylation.



Immunofluorescent staining of fixed and permeabilized human HepG2 cells with Complement factor H antibody (green), DAPI nuclear stain (blue) and anti-Actin (red).



IHC testing of FFPE human hepatocellular carcinoma tissue with Complement factor H antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.

Description

This gene is a member of the Regulator of Complement Activation (RCA) gene cluster and encodes a protein with twenty short consensus repeat (SCR) domains. This protein is secreted into the bloodstream and has an essential role in the regulation of complement activation, restricting this innate defense mechanism to microbial infections. Mutations in this gene have been associated with hemolytic-uremic syndrome (HUS) and chronic hypocomplementemic nephropathy. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Complement factor H antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 751-780 from the human protein was used as the immunogen for the Complement factor H antibody.

Storage

Aliquot the Complement factor H antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.