

For Research Use Only

Complement factor H Polyclonal antibody

Catalog Number: 12748-1-AP

1 Publications



Basic Information

Catalog Number:

12748-1-AP

Size:

600 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3482

GenBank Accession Number:

BC037285

GeneID (NCBI):

3075

UNIPROT ID:

P08603

Full Name:

complement factor H

Calculated MW:

1231 aa, 139 kDa

Observed MW:

140-150 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF-P 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IF-P, IP, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : human plasma, human blood

IP : human plasma tissue,

IHC : human liver cancer tissue, human normal colon

IF-P : human liver cancer tissue,

IF/ICC : HepG2 cells,

Background Information

Complement factor H (CFH) is an abundant plasma glycoprotein that regulates the function of the alternative complement pathway in the fluid phase and on cellular surfaces (PMID: 2963625). Factor H binds to C3b, accelerates the decay of the alternative pathway C3-convertase (C3bBb), and acts as a cofactor for the factor I-mediated proteolytic inactivation of C3b (PMID: 15163532). It plays a critical role in the homeostasis of the complement system in plasma and in the protection of bystander host cells and tissues from damage by complement activation. Abnormalities in factor H have been associated with renal disease (PMID: 18190458).

Notable Publications

Author	Pubmed ID	Journal	Application
Muyao Ye	34642907	Immunol Res	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

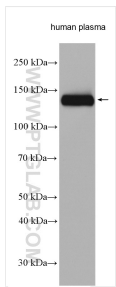
T: 4006900926

E: Proteintech-CN@ptglab.com

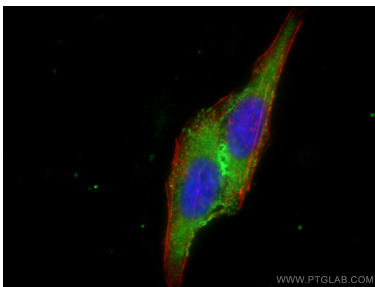
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

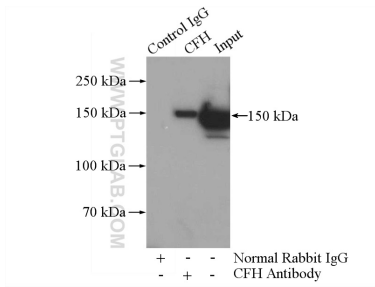
Selected Validation Data



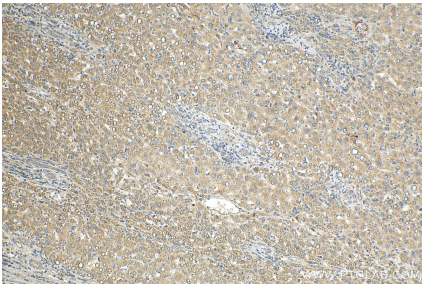
human plasma were subjected to SDS PAGE followed by western blot with 12748-1-AP (Complement factor H antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



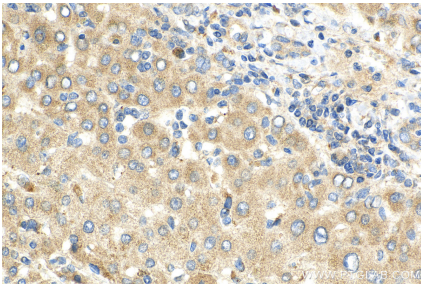
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using Complement factor H antibody (12748-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).



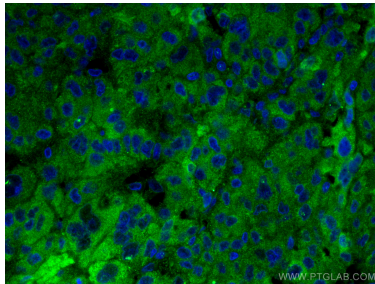
IP result of anti-Complement factor H (IP:12748-1-AP, 4ug; Detection:12748-1-AP 1:1000) with human plasma lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 12748-1-AP (Complement factor H antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



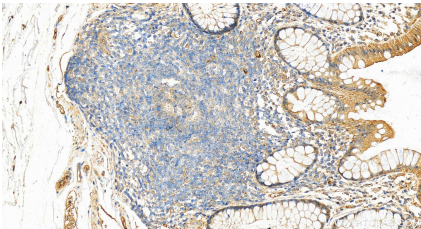
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 12748-1-AP (Complement factor H antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using Complement factor H antibody (12748-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human normal colon slide using 12748-1-AP (Complement factor H antibody) at dilution of 1:600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human normal colon slide using 12748-1-AP (Complement factor H antibody) at dilution of 1:600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).