

For Research Use Only

C3/C3b/C3c Monoclonal antibody, PBS Only

Catalog Number: 66157-1-PBS



Basic Information

Catalog Number:

66157-1-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG15955

GenBank Accession Number:

BC150179

GeneID (NCBI):

718

UNIPROT ID:

P01024

Full Name:

complement component 3

Calculated MW:

1663 aa, 187 kDa

Observed MW:

115 kDa

Purification Method:

Protein G purification

CloneNo.:

2A6B3

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human, mouse

Background Information

The complement system is an important effector that bridges the innate and adaptive immune systems (PMID: 20010915). The third component of complement, C3, plays a central role in the activation of the complement system. Its processing by C3 convertase is the central reaction in both classical and alternative complement pathways (PMID: 11414361). Human C3, composed of α and β chains (115 and 75 kDa, respectively), is cleaved into C3a and C3b by C3 convertase. C3b is further cleaved into iC3b, C3c, C3dg and C3f. This antibody raised against 1314-1663 aa of human C3 protein recognizes the C3 alpha chain, C3b alpha' chain, and C3c alpha' chain fragment 2.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

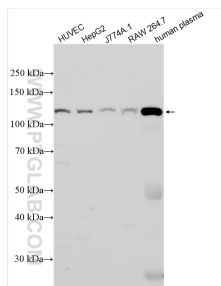
T: 4006900926

E: Proteintech-CN@ptglab.com

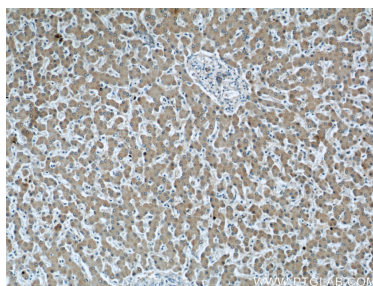
W: ptgcn.com

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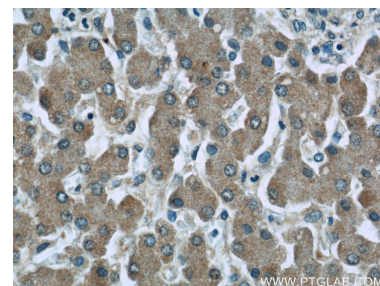
Selected Validation Data



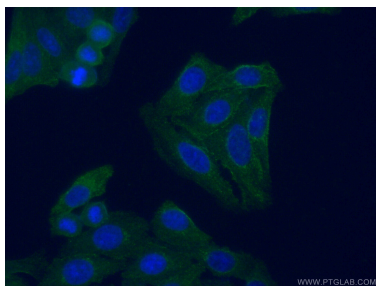
Various lysates were subjected to SDS PAGE followed by western blot with 66157-1-Ig (C3/C3b/C3c antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66157-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66157-1-Ig (C3/C3b/C3c antibody) at dilution of 1:50 (under 10x lens). This data was developed using the same antibody clone with 66157-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66157-1-Ig (C3/C3b/C3c antibody) at dilution of 1:50 (under 40x lens). This data was developed using the same antibody clone with 66157-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 66157-1-Ig (C3/C3b/C3c antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66157-1-PBS in a different storage buffer formulation.