

Nur für Forschungszwecke

# C3/C3b/C3c Polyklonaler Antikörper



Katalog-Nr.: 21337-1-AP

Vorgestelltes Produkt

38 Publikationen

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 21337-1-AP	<b>GenBank-Zugangsnummer:</b> BC150179	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul, Konzentration: 400 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 718	<b>Empfohlene Verdünnungen:</b> WB 1:5000-1:50000 IP 0.5-4.0 µg für IP und 1:500-1:2000 für WB
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> complement component 3	<b>IHC 1:50-1:500</b> <b>IF 1:50-1:500</b>
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 1663 aa, 187 kDa	
<b>Immunogen Katalognummer:</b> AG15537	<b>Beobachtete Masse:</b> 115 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> IF, IHC, IP, WB, ELISA	<b>Positivkontrollen:</b> WB : rat plasma, human plasma IP : humanes Plasmagewebe, IHC : humanes Leberkarzinomgewebe, Mausnierengewebe IF : humanes Leberkarzinomgewebe,
<b>In Publikationen genannte Anwendungen:</b> IF, IHC, WB	
<b>Getestete Reaktivität:</b> Human, Maus, Ratte	
<b>Zitierte Arten:</b> Hausschwein, Human, Maus, Ratte, Rind	

**Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

## Hintergrundinformationen

The complement system is an important effector which 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  $\alpha$  and  $\beta$  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 recognize C3 alpha chain, C3b alpha' chain, and C3c alpha' chain fragment 2.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Jing-Yi Hou	36126455	Biomed Pharmacother	IF
Xiao Zhai	34496892	J Nanobiotechnology	IF
Ruonan Gao	36306990	Free Radic Biol Med	IF, WB

## Lagerung

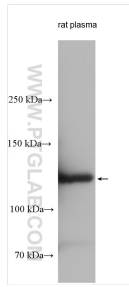
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

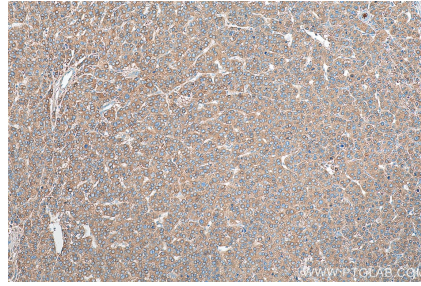
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

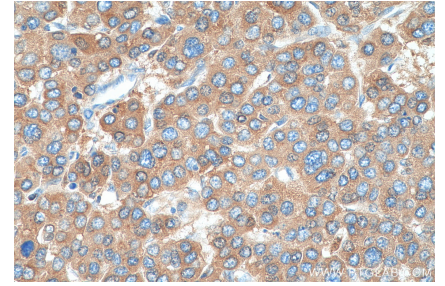
## Ausgewählte Validierungsdaten



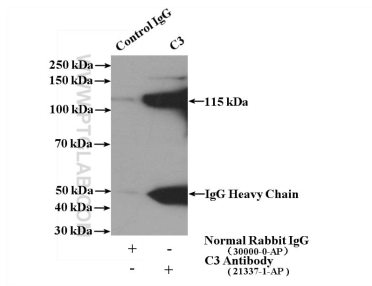
rat plasma was subjected to SDS PAGE followed by western blot with 21337-1-AP (C3/C3b/C3c antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



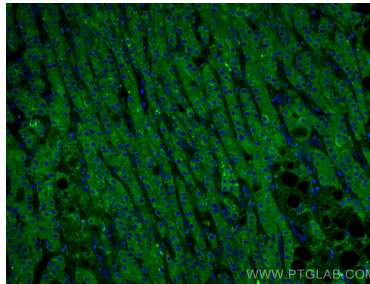
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 21337-1-AP (C3/C3b/C3c antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



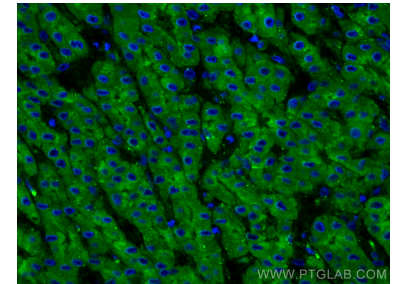
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 21337-1-AP (C3/C3b/C3c antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-C3/C3b/C3c (IP:21337-1-AP, 4ug; Detection:21337-1-AP 1:1000) with human plasma lysate 4000 ug.



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using C3/C3b/C3c antibody (21337-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using C3/C3b/C3c antibody (21337-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).