

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-C5aR



Numéro de catalogue: 21316-1-AP

24 Publications

Informations de base

Numéro de catalogue: 21316-1-AP	Numéro d'acquisition GenBank: BC008982	Méthode de purification: Purification par affinité contre l'antigène
Taille: 150ul, Concentration: 500 µg/ml by Nanodrop;	Identification du gène (NCBI): 728	Dilutions recommandées: WB 1:500-1:3000 IHC 1:200-1:800 IF 1:10-1:100
Hôte: Lapin	Nom complet: complement component 5a receptor 1	
Isotype: IgG	MW calculé: 350 aa, 39 kDa	
Immunogen Catalog Number: AG15968	MW observés: 45 kDa	

Applications

Applications testées:
FC, IF, IHC, WB, ELISA

Demandes citées:
FC, IF, IHC, WB

Spécificité de l'espèce:
Humain

Espèces citées:
Humain, porc

Contrôles positifs:

WB : cellules L02, cellules PC-3, cellules U-937

IHC : tissu d'amygdalite humain, tissu hépatique humain, tissu pulmonaire humain

IF : cellules HepG2,

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Informations générales

C5aR, also named as CD88, is a G protein-coupled receptor for the anaphylatoxin C5a, a cleavage product of the complement cascade. The C5a ligand is a proinflammatory component of host defense. C5aR is activated upon binding of the C5a molecule. Receptor activation stimulates chemotaxis, granule enzyme release, intracellular calcium release and superoxide anion production. The deduced sequence of C5aR contains 350 amino acids, giving a calculated molecular weight of 39 kDa. C5aR has an N-linked glycosylation site in the N-terminal extracellular domain. The apparent molecular weight of C5aR is about 40-52 kDa (PMID: 1847994; 9136907; 9136907; 2007135).

Publications notables

Autrice	Pubmed ID	Journal	Application
Shi-Tao He	34670452	J Invest Surg	WB
Kun Zhang	31695787	Theranostics	WB
Duo Xu	36192575	Clin Transl Oncol	WB

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

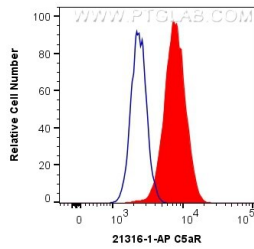
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

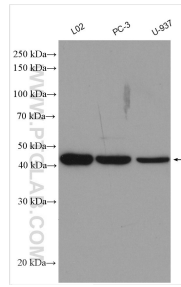
E: proteintech@ptglab.com
W: ptglab.com

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

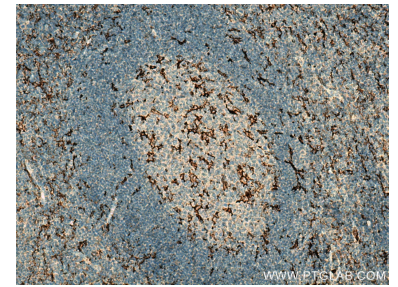
Données de validation sélectionnées



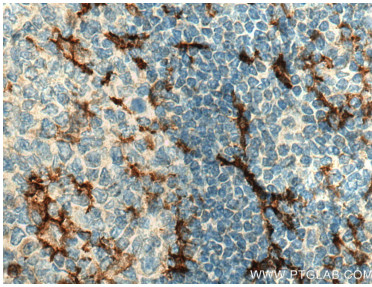
1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug Anti-Human C5aR (21316-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



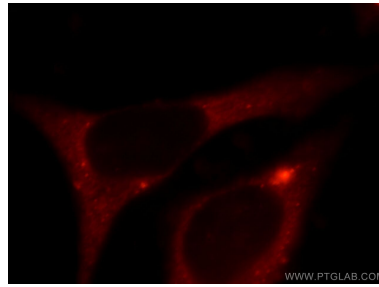
Various lysates were subjected to SDS PAGE followed by western blot with 21316-1-AP (C5aR antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 21316-1-AP (C5aR antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 21316-1-AP (C5aR antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HepG2 cells, using C5AR1 antibody 21316-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).