

Clusterin Polyclonal antibody

Catalog Number: 12289-1-AP **17 Publications**

Basic Information

| | | |
|--------------------------------------------|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Catalog Number: 12289-1-AP | GenBank Accession Number: BC010514 | Purification Method: Antigen affinity purification |
| Size: 400 µg/ml | GeneID (NCBI): 1191 | Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500 IF 1:50-1:500 |
| Source: Rabbit | UNIPROT ID: P10909 | |
| Isotype: IgG | Full Name: clusterin | |
| Immunogen Catalog Number: AG2889 | Calculated MW: 449 aa, 53 kDa Observed MW: 37 kDa | |

Applications

Tested Applications:
IF/ICC, IF-P, IHC, WB, ELISA

Cited Applications:
CoIP, IF, IHC, 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 tissue,

IHC : human tonsillitis tissue, human breast cancer tissue, human liver cancer tissue

IF : human liver tissue, HeLa cells

Background Information

Clusterin (Apolipoprotein J) is a 75-80 kDa heterodimeric glycoprotein produced by a wide array of tissues and found in most biologic fluids (PMID: 7648419; 11906815). It is encoded by one single gene and cleaved posttranslationally into α (34-36 kDa) and β (36-39 kDa) subunits prior to secretion from the cell. Many functions have been described for clusterin, including regulating apoptosis, transporting lipids, controlling cell interactions, regulating complement (PMID: 10694874).

Notable Publications

| Author | Pubmed ID | Journal | Application |
|--------------|-----------|-------------------|-------------|
| Bo Ma | 30235220 | PLoS One | WB |
| Julia Kälsch | 27709349 | Int J Biometeorol | IHC |
| Lili Donner | 27221710 | Sci Signal | |

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:

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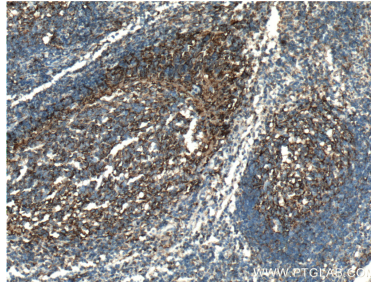
W: ptgc.cn

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

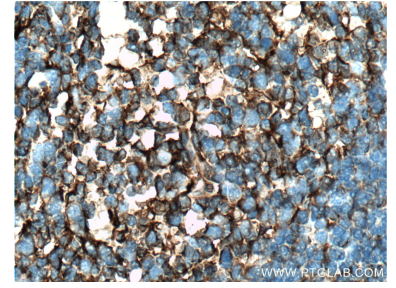
Selected Validation Data



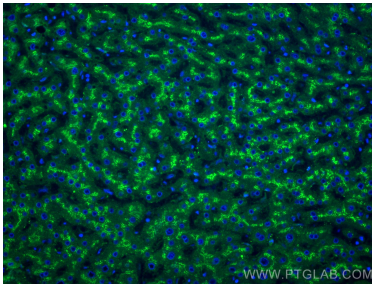
human plasma were subjected to SDS PAGE followed by western blot with 12289-1-AP (Clusterin antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours.



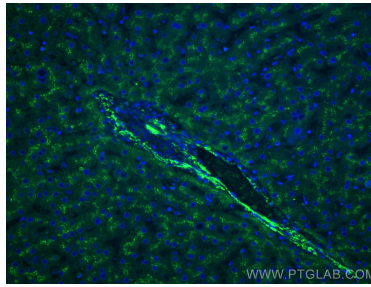
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 12289-1-AP (Clusterin antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 12289-1-AP (Clusterin 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 tissue using Clusterin antibody (12289-1-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 tissue using Clusterin antibody (12289-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).