

For Research Use Only

# Clusterin Polyclonal antibody

Catalog Number: 12289-1-AP **14 Publications**



## Basic Information

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| <b>Catalog Number:</b><br>12289-1-AP   | <b>GenBank Accession Number:</b><br>BC010514 | <b>Purification Method:</b><br>Antigen affinity purification       |
| <b>Size:</b><br>150ul , Concentration: 300 µg/ml by Nanodrop and 200 µg/ml by Bradford method using BSA as the standard; | <b>GeneID (NCBI):</b><br>1191                | <b>Recommended Dilutions:</b><br>WB 1:500-1:2000<br>IHC 1:50-1:500 |
| <b>Source:</b><br>Rabbit   | <b>Full Name:</b><br>clusterin               |  |
| <b>Isotype:</b><br>IgG   | <b>Calculated MW:</b><br>449 aa, 53 kDa      |  |
| <b>Immunogen Catalog Number:</b><br>AG2889   | <b>Observed MW:</b><br>37 kDa                |  |

## Applications

### Tested Applications:

IHC, WB, ELISA

### Cited Applications:

CoIP, IHC, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

**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

## 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  $\alpha$  (34-36 kDa) and  $\beta$  (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:

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

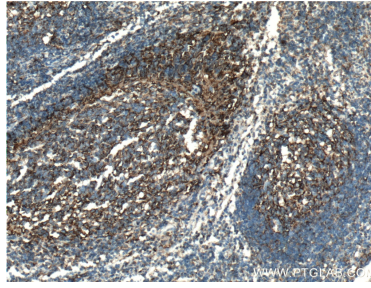
E: proteintech@ptglab.com  
W: ptglab.com

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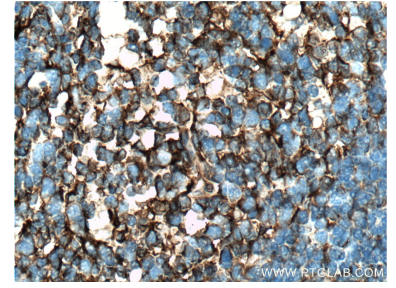
## Selected Validation Data



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).