For Research Use Only

Clusterin Polyclonal antibody

Catalog Number:12289-1-AP 34 Publications

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Basic Information

Catalog Number:
12289-1-AP

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG2889

GenBank Accession Number:
BC010514

GeneID (NCBI):
1191

UNIPROT ID:
P10909

Full Name:
clusterin

Calculated MW:
449 aa, 53 kDa

Observed MW:
37 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:2000-1:12000
IHC: 1:300-1:1200
IF-P: 1:50-1:500
IF/ICC: 1:50-1:500

Applications

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

Cited Applications:
WB, IHC, IF, CoIP

Species Specificity:
human

Cited Species:
human, rabbit

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,

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

IF-P : human liver tissue, HeLa cells

IF/ICC : 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	

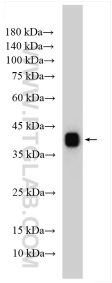
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

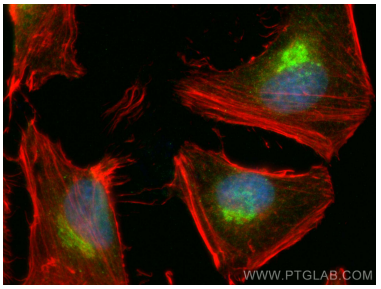
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

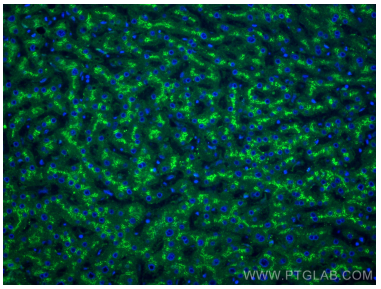
Selected Validation Data



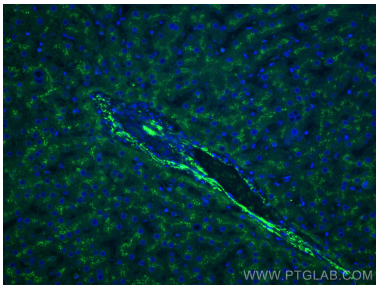
human plasma were subjected to SDS PAGE followed by western blot with 12289-1-AP (Clusterin antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



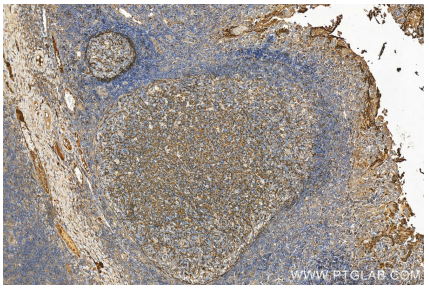
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Clusterin antibody (12289-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).



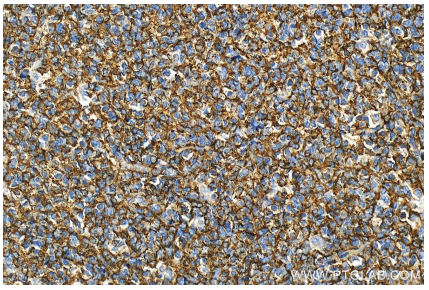
Immunofluorescent analysis of (4% PFA) fixed human liver tissue using Clusterin antibody (12289-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 12289-1-AP (Clusterin antibody) at dilution of 1:600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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