

For Research Use Only

# C1S Polyclonal antibody

Catalog Number: 14554-1-AP

5 Publications



## Basic Information

**Catalog Number:**

14554-1-AP

**Size:**

150ul, Concentration: 550 ug/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG5977

**GenBank Accession Number:**

BC056903

**GeneID (NCBI):**

716

**UNIPROT ID:**

P09871

**Full Name:**

complement component 1, s subcomponent

**Calculated MW:**

77 kDa

**Observed MW:**

88 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:2000-1:16000

IHC 1:50-1:500

## Applications

**Tested Applications:**

WB, IHC, ELISA

**Cited Applications:**

WB, IHC, IF

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse

**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: rat plasma, human plasma

IHC: human liver cancer tissue, mouse liver tissue

## Background Information

The first component of complement is a calcium-dependent complex of the 3 subcomponents C1q, C1r, and C1s. The serine protease subunits C1r and C1s form a Ca<sup>2+</sup>-dependent C1s-C1r-C1r-C1s tetramer. C1r activates C1s so that it can, in turn, activate C2 and C4. C1s is a glycoprotein of approximately 88 kDa, which is activated by cleavage into an A chain and a B chain.

## Notable Publications

Author	Pubmed ID	Journal	Application
Diana Pauly	31775049	Cell Rep	WB,IF
Anne Kathrin Wessig	35296708	Sci Rep	WB
Anne Enzbrenner	34502128	Int J Mol Sci	IF

## 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

\*\*\* 20ul sizes contain 0.1% BSA

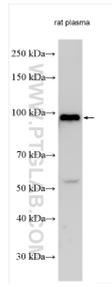
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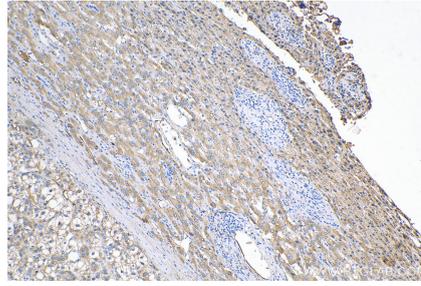
E: proteintech@ptglab.com  
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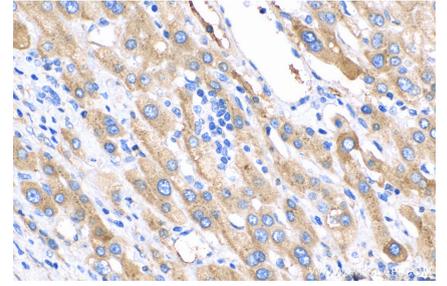
## Selected Validation Data



rat plasma lysates were subjected to SDS PAGE followed by western blot with 14554-1-AP (C15 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 14554-1-AP (C15 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 14554-1-AP (C15 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).