

## C1S Polyclonal antibody

Catalog Number: 14554-1-AP

4 Publications

## Basic Information

<b>Catalog Number:</b> 14554-1-AP	<b>GenBank Accession Number:</b> BC056903	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 550 µg/ml by Nanodrop and 140 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 716	<b>Recommended Dilutions:</b> WB 1:2000-1:16000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> complement component 1, s subcomponent	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 77 kDa	
<b>Immunogen Catalog Number:</b> AG5977	<b>Observed MW:</b> 88 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, WB	<b>WB :</b> rat plasma, human plasma
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> human liver cancer tissue, mouse liver tissue
<b>Cited Species:</b> 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**

## 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(2+)-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

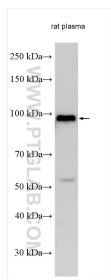
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
 Aliquoting is unnecessary for -20°C storage

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

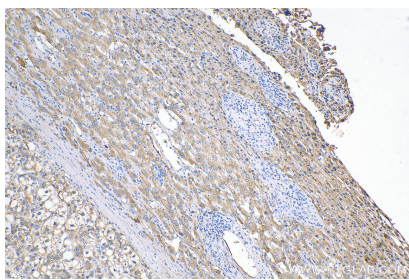
For technical support and original validation data for this product please contact:  
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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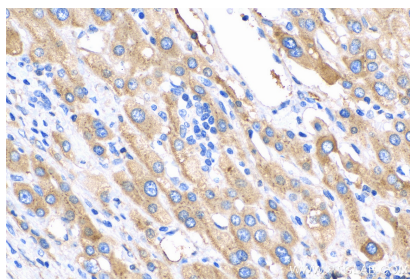
Selected Validation Data



rat plasma lysates were subjected to SDS PAGE followed by western blot with 14554-1-AP (C1S 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 (C1S 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 (C1S antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).