

For Research Use Only

C1S Polyclonal antibody

Catalog Number: 14554-1-AP **4 Publications**



Basic Information

Catalog Number: 14554-1-AP	GenBank Accession Number: BC056903	Purification Method: Antigen affinity purification
Size: 550 µg/ml	GeneID (NCBI): 716	Recommended Dilutions: WB 1:2000-1:16000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P09871	
Isotype: IgG	Full Name: complement component 1, s subcomponent	
Immunogen Catalog Number: AG5977	Calculated MW: 77 kDa	
	Observed MW: 88 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : rat plasma, human plasma IHC : human liver cancer tissue, mouse liver tissue
Cited Applications: WB, 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	

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

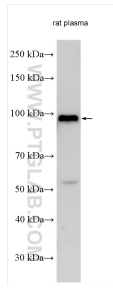
Storage

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

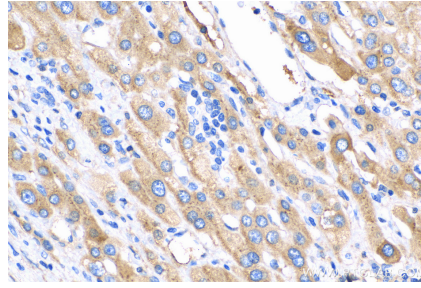
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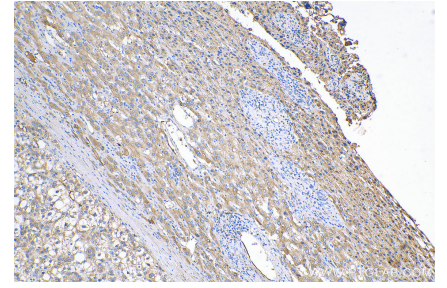
Selected Validation Data



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 40x 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 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).