

For Research Use Only

# Serum amyloid P component Polyclonal antibody

Catalog Number: 31813-1-AP



## Basic Information

<b>Catalog Number:</b> 31813-1-AP	<b>GenBank Accession Number:</b> BC007058	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 325	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:400-1:1600 IF-P 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P02743	
<b>Isotype:</b> IgG	<b>Full Name:</b> amyloid P component, serum	
	<b>Calculated MW:</b> 223 aa, 25 kDa	
	<b>Observed MW:</b> 27-29 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF-P, ELISA

**Species Specificity:**  
human

**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 stomach cancer tissue,

IF-P : mouse liver tissue,

## Background Information

Serum amyloid P component (SAP), a member of the pentraxin family, is a constitutive serum protein that is synthesized by hepatocytes. It is an acute phase protein, structurally related to C-reactive protein. SAP is a calcium-dependent ligand-binding protein, which can interact with DNA and histones and may scavenge nuclear material released from damaged circulating cells.

## 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

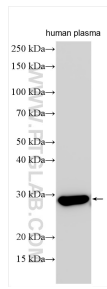
For technical support and original validation data for this product please contact:

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

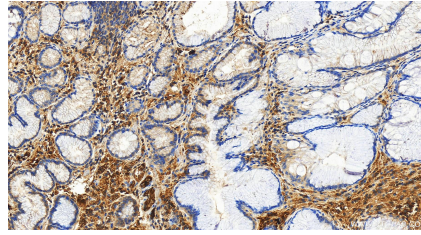
E: proteintech@ptglab.com  
W: ptglab.com

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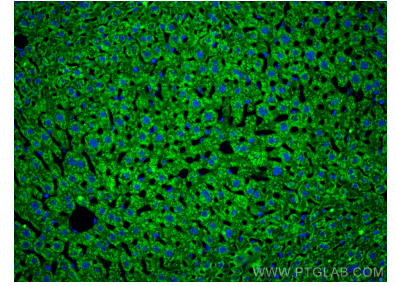
## Selected Validation Data



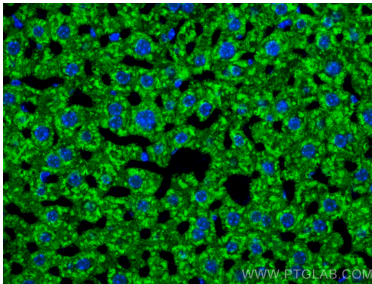
Various lysates were subjected to SDS PAGE followed by western blot with 31813-1-AP (Serum amyloid P component antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 31813-1-AP (Serum amyloid P component antibody) at dilution of 1:800 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse liver tissue using Serum amyloid P component antibody (31813-1-AP) at dilution of 1:400 and Multi-rAb CoraLite Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse liver tissue using Serum amyloid P component antibody (31813-1-AP) at dilution of 1:400 and Multi-rAb CoraLite Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).