

For Research Use Only

# SERBP1 Polyclonal antibody

Catalog Number: 10729-1-AP

3 Publications



## Basic Information

<b>Catalog Number:</b> 10729-1-AP	<b>GenBank Accession Number:</b> BC008045	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 26135	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8NC51	<b>IHC 1:50-1:500</b>
<b>Isotype:</b> IgG	<b>Full Name:</b> SERPINE1 mRNA binding protein 1	<b>IF/ICC 1:200-1:800</b>
<b>Immunogen Catalog Number:</b> AG1045	<b>Calculated MW:</b> 45 kDa	
	<b>Observed MW:</b> 55 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b> WB : mouse testis tissue,
<b>Cited Applications:</b> WB	<b>IHC :</b> human lung cancer tissue, human colon cancer tissue
<b>Species Specificity:</b> human, mouse	<b>IF/ICC :</b> U2OS cells,
<b>Cited Species:</b> human	

**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 plasminogen activator system (PA) plays an important role in invasion and metastasis of solid tumors. The PA Inhibitor type 1 (PAI-1) is the main physiologic regulator of plasminogen activation. PAI-RBP1 (PAI-1 mRNA Binding Protein 1, also named SERBP1), is an RNA-binding protein containing an RG-rich domain and an RGG box domain that might be methylated by protein arginine N-methyltransferases (PRMTs). SERBP1 was identified as an interacting partner of a Tudor domain containing protein TDRD3, and can localize to cytoplasmic stress granules (SGs).

## Notable Publications

Author	Pubmed ID	Journal	Application
Miao Li	30247605	J Clin Endocrinol Metab	WB
Tao Yang	37922310	Cell Rep	
Xiaolin Dong	36733342	Front Genet	WB

## Storage

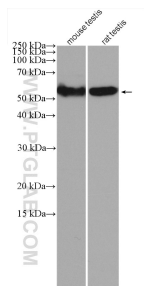
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

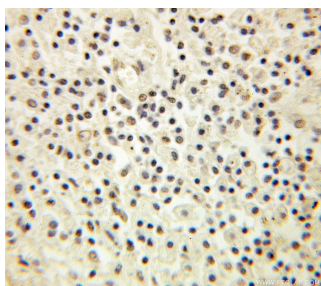
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

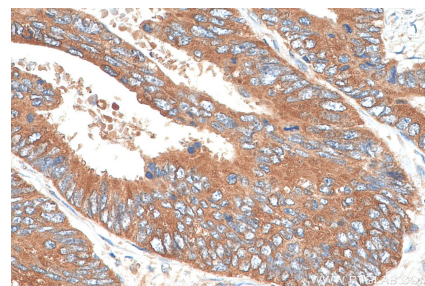
## Selected Validation Data



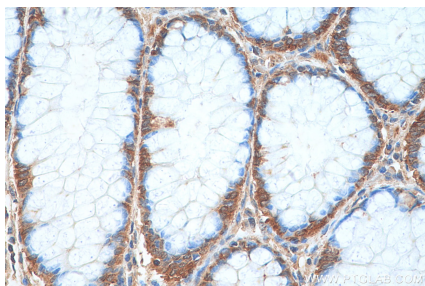
mouse testis tissue were subjected to SDS PAGE followed by western blot with 10729-1-AP (SERBP1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



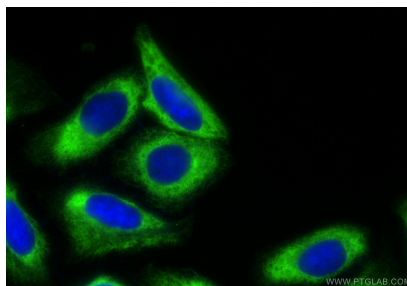
Immunohistochemical analysis of paraffin-embedded human lung cancer using 10729-1-AP (SERBP1 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10729-1-AP (SERBP1 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 colon cancer tissue slide using 10729-1-AP (SERBP1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed U2OS cells using SERBP1 antibody (10729-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).