

For Research Use Only

# SERBP1 Monoclonal antibody

Catalog Number: 67792-1-Ig



## Basic Information

|   |  |   |
|---|--|---|
| <b>Catalog Number:</b><br>67792-1-Ig        | <b>GenBank Accession Number:</b><br>BC008045         | <b>Purification Method:</b><br>Protein G purification |
| <b>Size:</b><br>500 µg/ml                   | <b>GeneID (NCBI):</b><br>26135                       | <b>CloneNo.:</b><br>1D4H1                             |
| <b>Source:</b><br>Mouse                     | <b>UNIPROT ID:</b><br>Q8NC51                         | <b>Recommended Dilutions:</b><br>WB 1:5000-1:50000    |
| <b>Isotype:</b><br>IgG1                     | <b>Full Name:</b><br>SERPINE1 mRNA binding protein 1 | IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate  |
| <b>Immunogen Catalog Number:</b><br>AG30202 | <b>Calculated MW:</b><br>45 kDa                      | IHC 1:500-1:2000                                      |
|   | <b>Observed MW:</b><br>50 kDa                        | IF 1:200-1:800  |

## Applications

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

**Species Specificity:**  
Human, Mouse, Rat, pig, Canine

**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:** LNCaP cells, MDCK cells, HSC-T6 cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells

**IP:** HeLa cells,

**IHC:** human liver cancer tissue,

**IF:** human liver cancer tissue,

## 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).

## 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

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

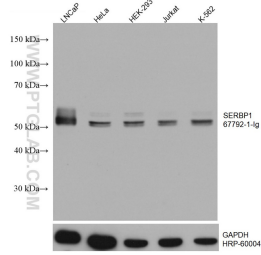
T: 4006900926

E: Proteintech-CN@ptglab.com

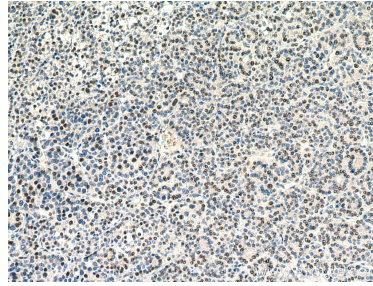
W: ptgcn.com

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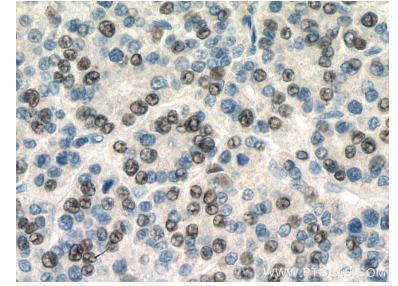
## Selected Validation Data



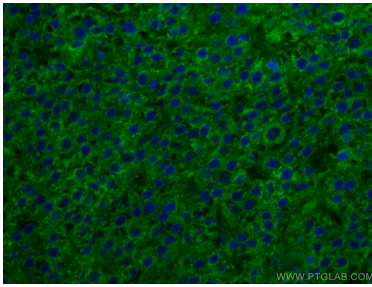
Various lysates were subjected to SDS PAGE followed by western blot with 67792-1-Ig (SERBP1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



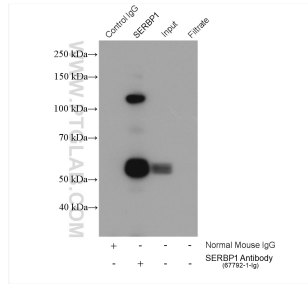
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67792-1-Ig (SERBP1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



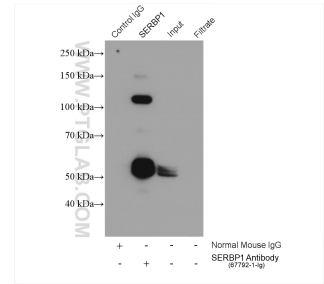
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67792-1-Ig (SERBP1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using SERBP1 antibody (67792-1-Ig, Clone: 1D4H1) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). DAPI (blue).



IP result of anti-SERBP1 (IP:67792-1-Ig, 5ug; Detection:67792-1-Ig 1:2000) with HeLa cells lysate 1880 ug.



IP result of anti-SERBP1 (IP:67792-1-Ig, 5ug; Detection:67792-1-Ig 1:2000) with HeLa cells lysate 1880 ug.