

# Product Datasheet

## Serpin A1/alpha 1-Antitrypsin Antibody - BSA Free NBP1-90308

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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### Publications: 1

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**NBP1-90308****Serpin A1/alpha 1-Antitrypsin Antibody - BSA Free**

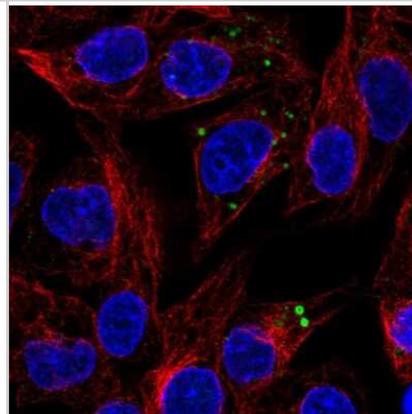
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit Serpin A1/alpha 1-Antitrypsin Antibody - BSA Free (NBP1-90308) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Serpin A1/alpha 1-Antitrypsin Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	5265
<b>Gene Symbol</b>	SERPINA1
<b>Species</b>	Human
<b>Reactivity Notes</b>	Reactivity reported in scientific literature (PMID: 23470167)
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: GMFNIQHCKKLSSWVLLMKYLGNATAIFFLPDEGKLQHLENELTHDIITKFLNE DRRSASLHLPKLSITGTYDLKSVLGLGITKVFNSGADLSGVTEEAPLKLSKAVH KAVLTIDEKGTAAAGAMFLEAIPMSIPPEVKFNKPFVFLMGAPHR

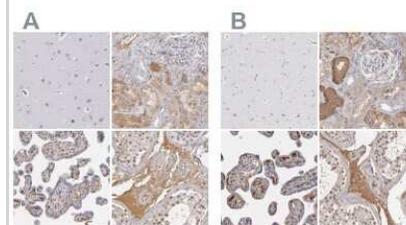
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:2500 - 1:5000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:2500 - 1:5000
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

## Images

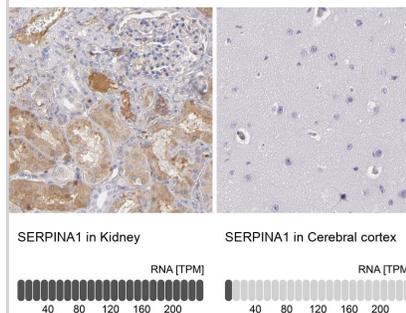
Immunocytochemistry/Immunofluorescence: Serpin A1/alpha 1-Antitrypsin Antibody [NBP1-90308] - Staining of human cell line Hep G2 shows localization to vesicles. Antibody staining is shown in green.



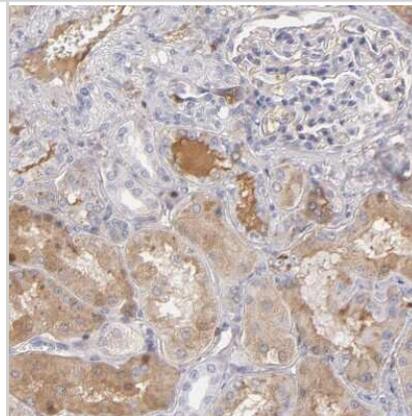
Immunohistochemistry-Paraffin: Serpin A1/alpha 1-Antitrypsin Antibody [NBP1-90308] - Staining of human cerebral cortex, kidney, placenta and testis using Anti-SERPINA1 antibody NBP1-90308 (A) shows similar protein distribution across tissues to independent antibody NBP1-90309 (B).



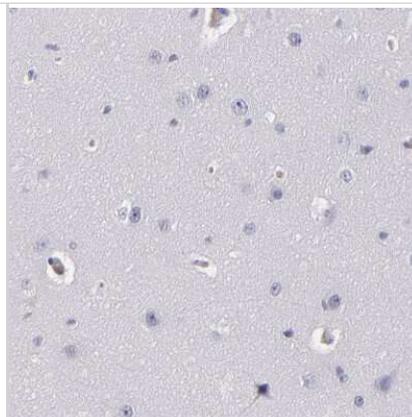
Analysis in human kidney and cerebral cortex tissues using NBP1-90308 antibody. Corresponding SERPINA1 RNA-seq data are presented for the same tissues.



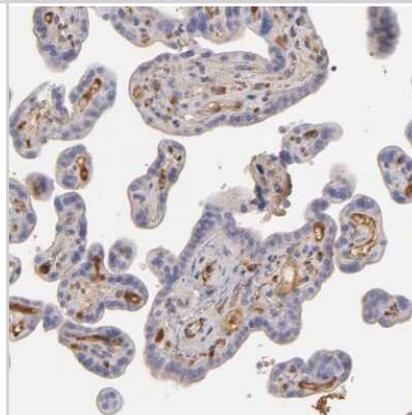
Immunohistochemistry-Paraffin: Serpin A1/alpha 1-Antitrypsin Antibody [NBP1-90308] - Staining of human kidney shows moderate positivity in plasma.



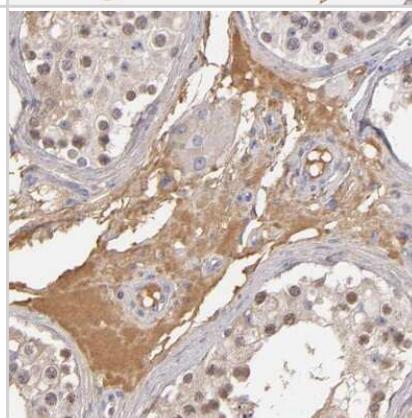
Immunohistochemistry-Paraffin: Serpin A1/alpha 1-Antitrypsin Antibody [NBP1-90308] - Staining of human cerebral cortex shows no positivity in neurons as expected.



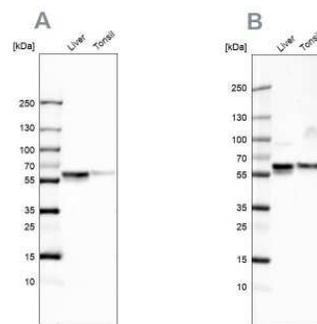
Immunohistochemistry-Paraffin: Serpin A1/alpha 1-Antitrypsin Antibody [NBP1-90308] - Staining of human placenta shows strong positivity in plasma in blood vessels.



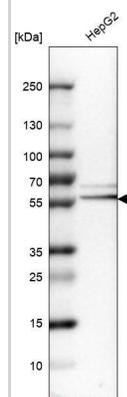
Immunohistochemistry-Paraffin: Serpin A1/alpha 1-Antitrypsin Antibody [NBP1-90308] - Staining of human testis shows moderate positivity in plasma.



Western Blot: Serpin A1/alpha 1-Antitrypsin Antibody [NBP1-90308] - Analysis using Anti-SERPINA1 antibody NBP1-90308 (A) shows similar pattern to independent antibody NBP1-90309 (B).



Analysis in human cell line HepG2.



## Publications

Linden M, Segersten U, Runeson M et al. Tumour expression of bladder cancer-associated urinary proteins. *BJU Int* 2013-08-01 [PMID: 23470167]



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP1-90308**

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NBP1-90308PEP	Serpin A1/alpha 1-Antitrypsin Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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