Product Datasheet

Serpin A1/alpha 1-Antitrypsin Antibody (OTI9A1)
NBP1-47957

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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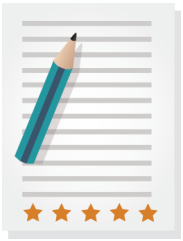
Updated 11/5/2025 v.20.1



NBP1-47957

Serpin A1/alpha 1-Antitrypsin Antibody (OTI9A1)

Product Information

Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI9A1
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	46.7 kDa

Product Description

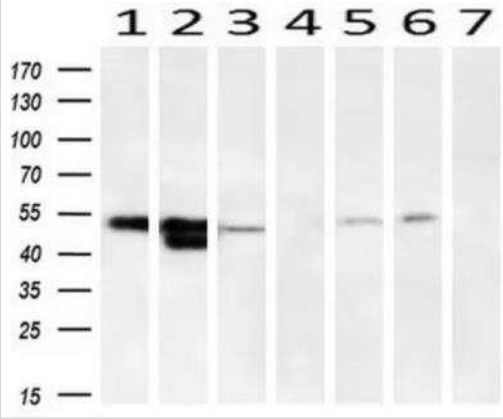
Description	Novus Biologicals Mouse Serpin A1/alpha 1-Antitrypsin Antibody (OTI9A1) (NBP1-47957) is a monoclonal antibody validated for use in IHC, WB, Flow and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	5265
Gene Symbol	SERPINA1
Species	Human, Canine, Monkey, Primate
Specificity/Sensitivity	This antibody is specific for Homo sapiens serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1 (SERPINA1), transcript variant 1.
Immunogen	Full-length protein expressed in 293T cell transfected with human SERPINA1 expression vector

Product Application Details

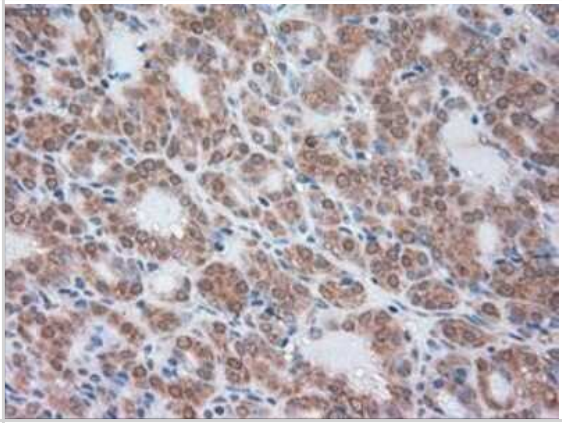
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1000, Flow Cytometry 1:100, Immunohistochemistry 1:150, Immunoprecipitation 2ug/500ul, Immunohistochemistry-Paraffin 1:150

Images

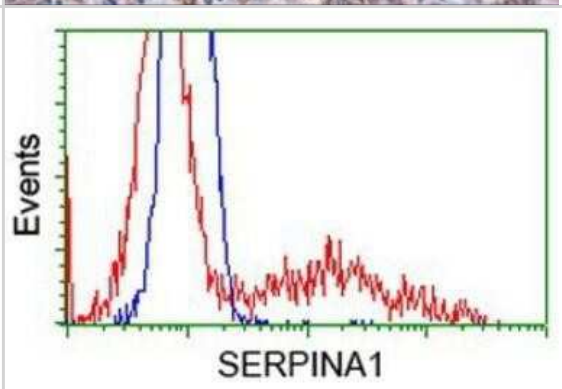
Western Blot: Serpin A1/alpha 1-Antitrypsin Antibody (OTI9A1) [NBP1-47957] - Western blot analysis of extracts (10ug) from 7 Human tissue by using NBP1-47957 (1: Uterus; 2: Breast; 3: Brain; 4: Liver; 5: Ovary; 6: Thyroid gland; 7: colon) at 1:200 dilution.



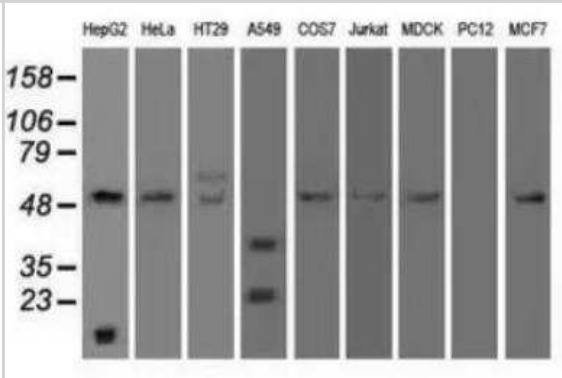
Immunohistochemistry-Paraffin: Serpin A1/alpha 1-Antitrypsin Antibody (OTI9A1) [NBP1-47957] - Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using NBP1-47957. (Heat-induced epitope retrieval by 10mM citric buffer, pH 6.0, 100C for 10min)



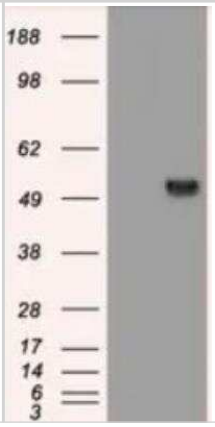
Flow Cytometry: Serpin A1/alpha 1-Antitrypsin Antibody (OTI9A1) [NBP1-47957] - HEK293T cells transfected with either overexpression plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-alpha 1 Antitrypsin antibody, and then analyzed by flow cytometry.

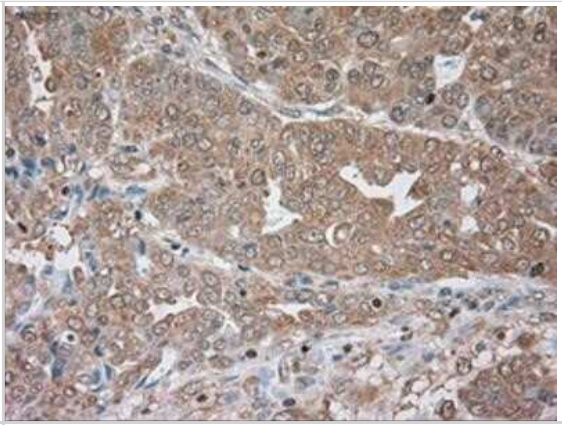
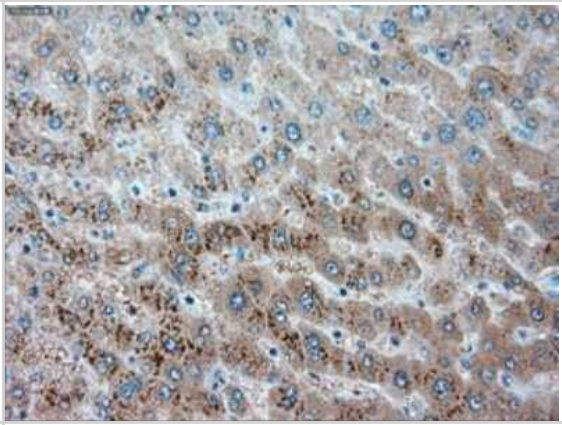
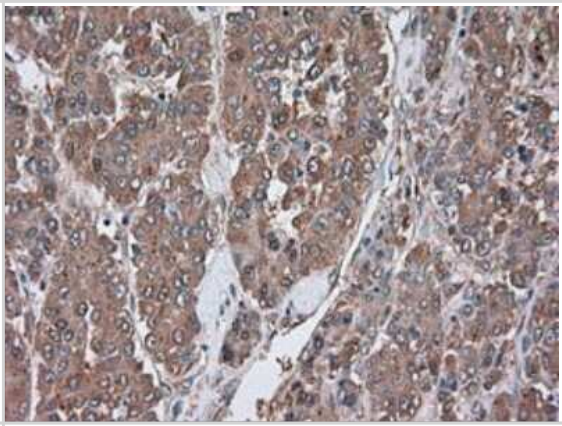
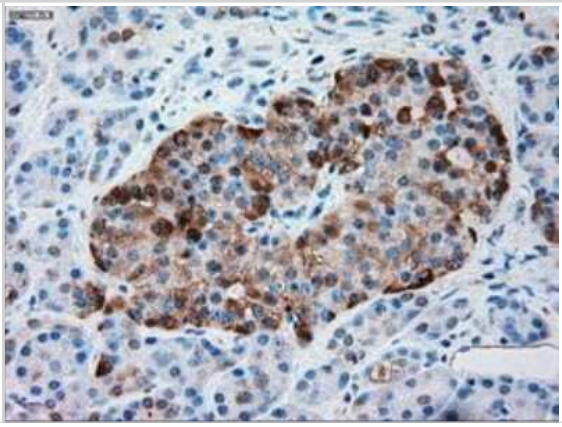


Western Blot: Serpin A1/alpha 1-Antitrypsin Antibody (OTI9A1) [NBP1-47957] - Western blot analysis of extracts (35ug) from 9 different cell lines by using NBP1-47957.

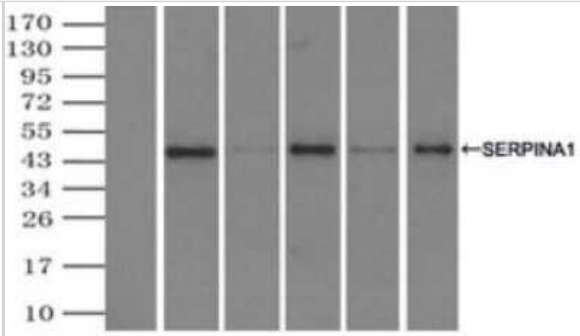


Western Blot: Serpin A1/alpha 1-Antitrypsin Antibody (OTI9A1) [NBP1-47957] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY SERPINA1 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with NBP1-47957.



Immunohistochemistry-Paraffin: Serpin A1/alpha 1-Antitrypsin Antibody (OTI9A1) [NBP1-47957] - Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using NBP1-47957. (Heat-induced epitope retrieval by 10mM citric buffer, pH 6.0, 100C for 10min)	
Immunohistochemistry-Paraffin: Serpin A1/alpha 1-Antitrypsin Antibody (OTI9A1) [NBP1-47957] - Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using NBP1-47957. (Heat-induced epitope retrieval by 10mM citric buffer, pH 6.0, 100C for 10min)	
Immunohistochemistry-Paraffin: Serpin A1/alpha 1-Antitrypsin Antibody (OTI9A1) [NBP1-47957] - Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using NBP1-47957. (Heat-induced epitope retrieval by 10mM citric buffer, pH 6.0, 100C for 10min)	
Immunohistochemistry-Paraffin: Serpin A1/alpha 1-Antitrypsin Antibody (OTI9A1) [NBP1-47957] - Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using NBP1-47957. (Heat-induced epitope retrieval by 10mM citric buffer, pH 6.0, 100C for 10min)	

Immunoprecipitation: Serpin A1/alpha 1-Antitrypsin Antibody (OTI9A1) [NBP1-47957] - Immunoprecipitation (IP) of SERPINA1 by using TrueMab monoclonal anti-SERPINA1 antibodies (Negative control: IP without adding anti-SERPINA1 antibody.). For each experiment, 500ul of DDK tagged SERPINA1 overexpression lysates (at 1:5 dilution with HEK293T lysate), 2ug of anti-SERPINA1 antibody and 20ul (0.1mg) of goat anti-mouse conjugated magnetic beads were mixed and incubated overnight. After extensive wash to remove any non-specific binding, the immuno-precipitated products were analyzed with rabbit anti-DDK polyclonal antibody.



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

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