

# Product Datasheet

## Serpin A1/alpha 1-Antitrypsin Antibody (5D1D2) - BSA Free NBP2-52557

Unit Size: 0.1 mg

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

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**NBP2-52557**

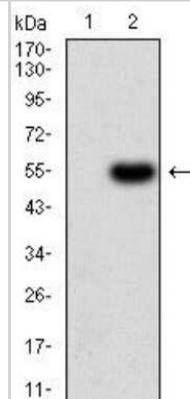
Serpine A1/alpha 1-Antitrypsin Antibody (5D1D2) - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	5D1D2
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Target Molecular Weight</b>	46.7 kDa
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse Serpin A1/alpha 1-Antitrypsin Antibody (5D1D2) - BSA Free (NBP2-52557) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. Anti-Serpine A1/alpha 1-Antitrypsin Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	5265
<b>Gene Symbol</b>	SERPINA1
<b>Species</b>	Human
<b>Immunogen</b>	Purified recombinant fragment of human Serpin A1/alpha 1-Antitrypsin (AA: 23-237) expressed in E. Coli.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, CyTOF-ready
<b>Recommended Dilutions</b>	Western Blot 1:500-1:2000, Flow Cytometry 1:200-1:400, ELISA 1:10000, Immunohistochemistry 1:200-1:1000, Immunocytochemistry/ Immunofluorescence 1:200-1:1000, Immunohistochemistry-Paraffin 1:200-1:1000, CyTOF-ready
<b>Application Notes</b>	This antibody is Cytof ready.

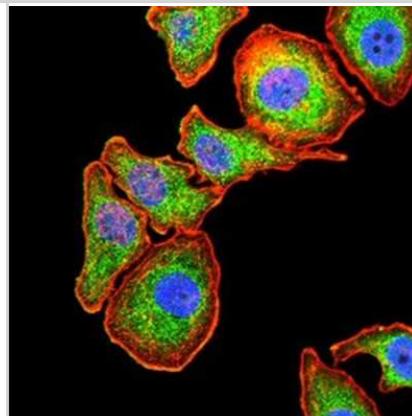


## Images

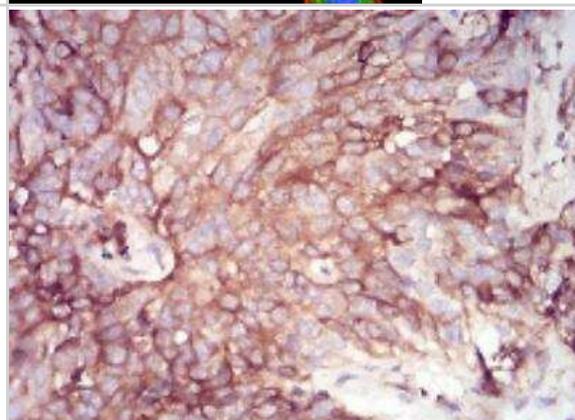
Western Blot: Serpin A1/alpha 1-Antitrypsin Antibody (5D1D2) [NBP2-52557] - Analysis using SERPINA1 mAb against HEK293 (1) and SERPINA1 (AA: 23-237)-hlgGfc transfected HEK293 (2) cell lysate.



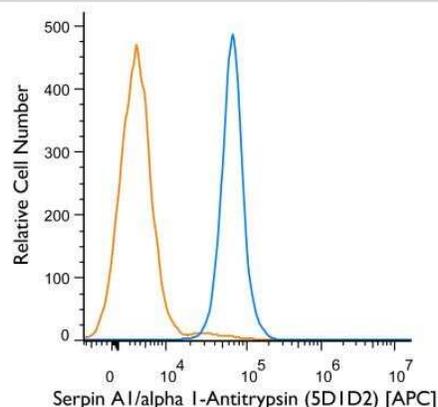
Immunocytochemistry/Immunofluorescence: Serpin A1/alpha 1-Antitrypsin Antibody (5D1D2) [NBP2-52557] - Immunofluorescence analysis of GC-7901 cells using SERPINA1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



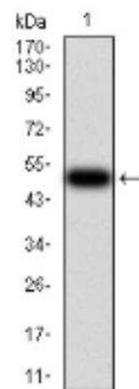
Immunohistochemistry-Paraffin: Serpin A1/alpha 1-Antitrypsin Antibody (5D1D2) [NBP2-52557] - Analysis of paraffin-embedded bladder cancer tissues using SERPINA1 mouse mAb with DAB staining.



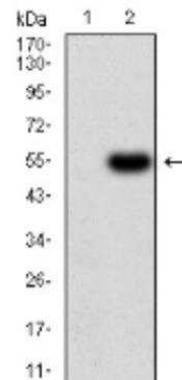
Flow Cytometry: Serpin A1/alpha 1-Antitrypsin Antibody (5D1D2) [NBP2-52557] - An intracellular stain was performed on A549 cells with Serpin A1/alpha 1-Antitrypsin antibody (5D1D2) NBP2-52557APC (blue) and a matched isotype control NBP1-97005APC (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Allophycocyanin. Image using the Allophycocyanin form of this antibody.



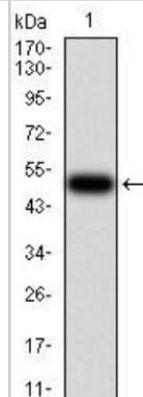
Western Blot: Serpin A1/alpha 1-Antitrypsin Antibody (5D1D2) [NBP2-52557] - Analysis using SERPINA1 mAb against human SERPINA1 (AA: 23-237) recombinant protein. (Expected MW is 50.3 kDa)



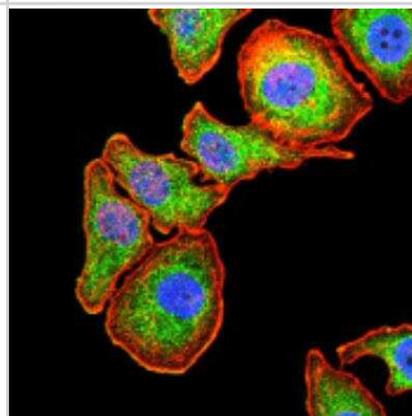
Western Blot: Serpin A1/alpha 1-Antitrypsin Antibody (5D1D2) [NBP2-52557] - Analysis using SERPINA1 mAb against HEK293 (1) and SERPINA1 (AA: 23-237)-hlgGfc transfected HEK293 (2) cell lysate.



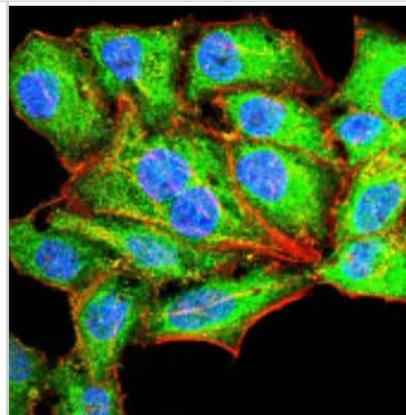
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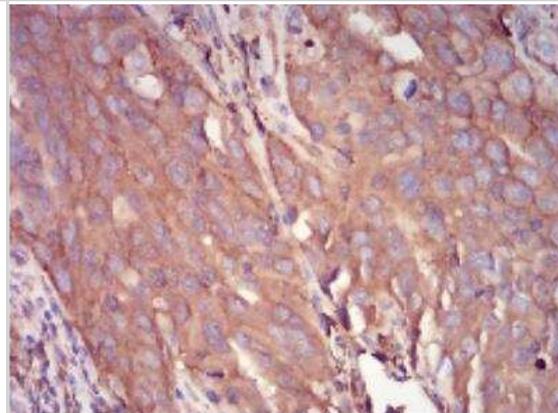
Immunocytochemistry/Immunofluorescence: Serpin A1/alpha 1-Antitrypsin Antibody (5D1D2) [NBP2-52557] - Analysis of GC-7901 cells using SERPINA1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



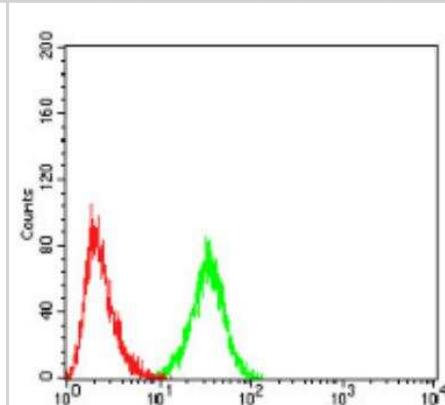
Immunocytochemistry/Immunofluorescence: Serpin A1/alpha 1-Antitrypsin Antibody (5D1D2) [NBP2-52557] - Analysis of HepG2 cells using SERPINA1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



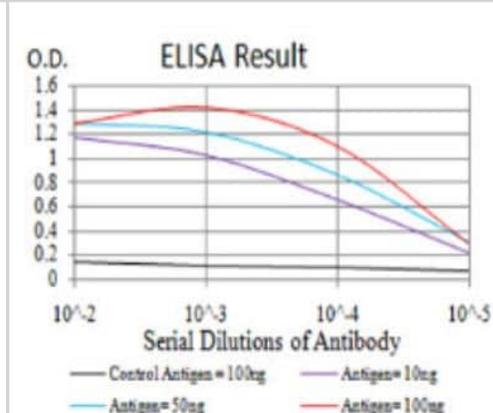
Immunohistochemistry-Paraffin: Serpin A1/alpha 1-Antitrypsin Antibody (5D1D2) [NBP2-52557] - Analysis of paraffin-embedded ovarian cancer tissues using SERPINA1 mouse mAb with DAB staining.



Flow Cytometry: Serpin A1/alpha 1-Antitrypsin Antibody (5D1D2) [NBP2-52557] - Analysis of Hela cells using SERPINA1 mouse mAb (green) and negative control (red).



ELISA: Serpin A1/alpha 1-Antitrypsin Antibody (5D1D2) [NBP2-52557] - Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



## Publications

Sayeed A, Dalvano BE, Kaplan DE et al. Profiling the circulating mRNA transcriptome in human liver disease Oncotarget 2020-06-09 [PMID: 32577166] (WB, Human)



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### **Products Related to NBP2-52557**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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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