

Product Datasheet

Serpin A1/alpha 1-Antitrypsin Antibody [HRP] NB120-7635-0.1mg

Unit Size: 0.1 mg

Store lyophilized antibody at 4C in the dark. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.

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NB120-7635-0.1mg

Serpine A1/alpha 1-Antitrypsin Antibody [HRP]

Product Information	
Unit Size	0.1 mg
Concentration	LYOPH mg/ml
Storage	Store lyophilized antibody at 4C in the dark. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Gentamicin Sulfate
Reconstitution Instructions	Reconstitute with 100 ul deionized water (or equivalent)
Isotype	IgG
Conjugate	HRP
Purity	Multi-step
Buffer	Lyophilized from 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Product Description	
Description	<p>Store vial at 4C prior to restoration. For extended storage aliquot contents and freeze at -20C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p> <p>This antibody is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Goat Serum as well as purified and partially purified a1-Anti-Trypsin [Human Plasma]</p>
Host	Goat
Gene ID	5265
Gene Symbol	SERPINA1
Species	Human, Mouse
Reactivity Notes	Cross reactivity against Serpin A1/alpha 1-Antitrypsin from other sources is unknown.
Specificity/Sensitivity	Cross reactivity against Serpin A1/alpha 1-Antitrypsin from other sources is unknown.
Immunogen	Serpine A1/alpha 1-Antitrypsin [Human Plasma] (Uniprot: P01009)

Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:2500, ELISA 1:1000-5000, Immunohistochemistry 1:500-1:2500, Immunohistochemistry-Paraffin 1:500-1:2500
Application Notes	<p>This product is tested by ELISA and western blot. This product detects a single band of the expected apparent molecular weight (~47 kDa) and for ELISA. Researchers should determine optimal titers for applications that are not stated below.</p> <p>NOTE: Do NOT add Sodium Azide (it inhibits HRP irreversibly).</p>



Images

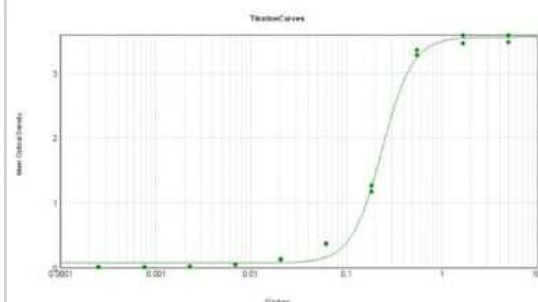
Western Blot: Serpin A1/alpha 1-Antitrypsin Antibody [HRP] [NB120-7635] - Western Blot of Serpin A1/alpha 1-Antitrypsin antibody [HRP]
Lane 1: reduced Alpha-1-anti-Trypsin. Lane 2: none. Load: ~1ug per lane.
Primary antibody: Serpin A1/alpha 1-Antitrypsin antibody at 1:3000 for overnight at 4C. Secondary antibody: Dylight 488 conjugated Donkey anti goat secondary antibody at 1:10,000 for 1.5 hr at RT. Block buffer overnight at 4C. Predicted/Observed size: 46.7kDa, ~55kDa for Alpha-1-AntiTrypsin. Other band(s): none.



Western Blot: Serpin A1/alpha 1-Antitrypsin Antibody [HRP] [NB120-7635] - Western Blot of Serpin A1/alpha 1-Antitrypsin antibody [HRP].
Lane 1: molecular weight. Lane 2: Goat-anti-Serpin A1/alpha 1-Antitrypsin (red), Rabbit anti-Transferrin, and Mouse-a-GST. Load: 35 ug per lane under reducing (R) conditions (+4% BME) in albumin depleted human serum with 320 ng of added GST. Primary antibody: Alpha 1 Anti-Trypsin antibody at 1:400 for overnight at 4C. Secondary antibody: DyLight 649 Donkey anti-Goat IgG (red) secondary antibody at 1:10,000 for 30 min at RT in blocking buffer. Block: 2.5% Blotto, 2.5% BSA, 0.02% Tween over night at 4C. Predicted/Observed size: 46.7kDa, ~55kDa for Alpha-1-AntiTrypsin. Other band(s): DyLight 488 Donkey anti-Mouse IgG (blue) and DyLight549 Donkey anti-Rabbit IgG (green) secondary antibodies.



ELISA: Serpin A1/alpha 1-Antitrypsin Antibody [HRP] [NB120-7635] - ELISA Results of Serpin A1/alpha 1-Antitrypsin antibody [HRP]. Each well was coated in duplicate with 1.0 ug of Serpin A1/alpha 1-Antitrypsin. The starting dilution of antibody was 5ug/ml and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using HRP Conjugated Stabilizer, Serpin A1/alpha 1-Antitrypsin antibody [HRP] and TMB substrate.





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Products Related to NB120-7635-0.1mg

NBL1-07391	Serpin A8/Angiotensinogen Overexpression Lysate
NBP1-96886	Goat IgG Isotype Control [HRP]
NBC1-18549	Recombinant Human Serpin A1/alpha 1-Antitrypsin Protein
210-TA-005	TNF-alpha [Unconjugated]

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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