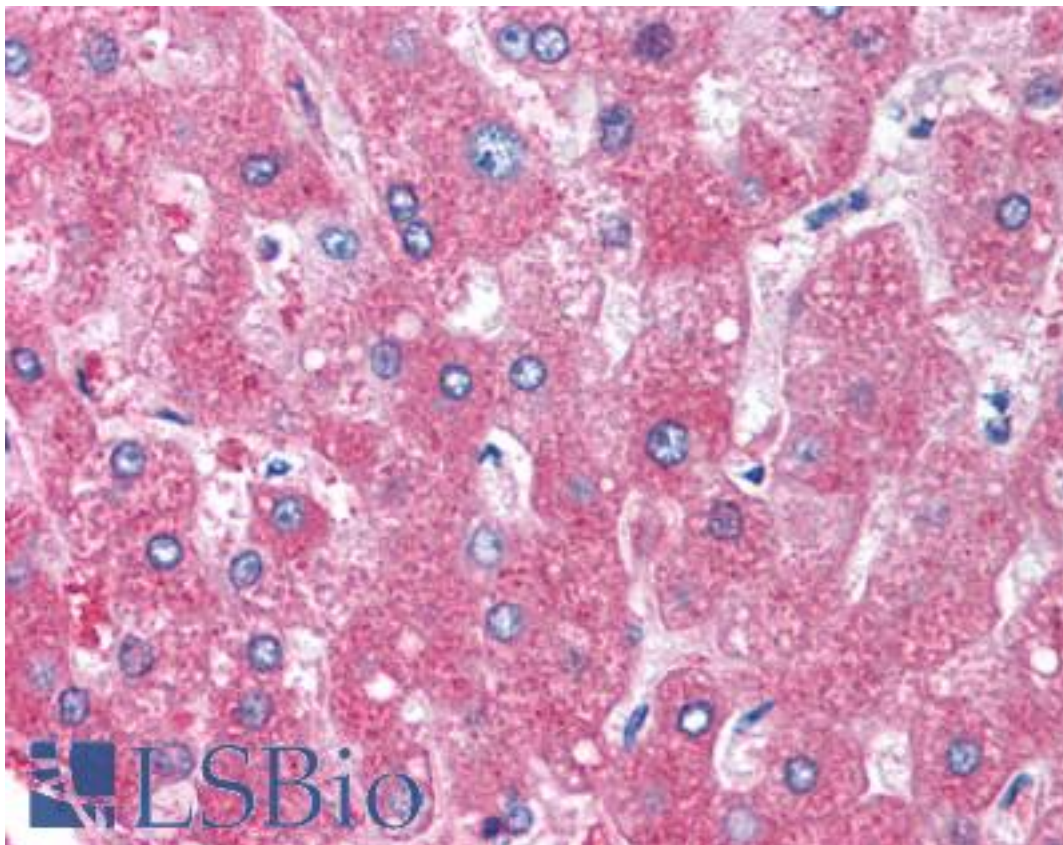


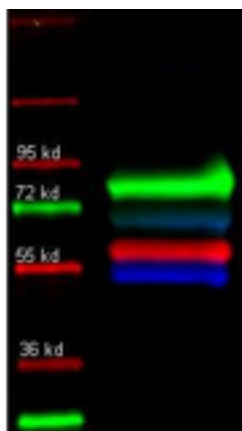
SERPINA1 / Alpha 1 Antitrypsin Goat anti-Human Polyclonal Antibody - LS-B1454 - LSBio	
CatalogID:	LS-B1454
Validation:	This antibody replaces catalog number LS-C18949. It has been validated for use in the following assays: IHC.
Target:	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1 (SERPINA1)
Synonyms:	SERPINA1 Antibody, A1A Antibody, A1AT Antibody, AAT Antibody, Alpha 1 Antitrypsin Antibody, Alpha-1 protease inhibitor Antibody, Alpha-1-antiproteinase Antibody, Alpha-1-antitrypsin Antibody, Alpha1AT Antibody, PRO2275 Antibody, Alpha-1-antitrypsin null Antibody, PI1 Antibody, Serpin A1 Antibody
Host	SERPINA1 antibody was produced in Goat
Clonality:	Polyclonal
Immunogen Species:	SERPINA1 / Alpha 1 Antitrypsin antibody was raised against Human
Immunogen:	SERPINA1 / Alpha 1 Antitrypsin antibody was raised against purified human SERPINA1 / Alpha-1-Antitrypsin.
Specificity:	A1-Anti-Trypsin [Human Plasma].
Reactivity:	Human
Purification:	Purified IgG
Presentation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 with 0.01% (w/v) Sodium Azide
Recommended Storage:	+4°C or -20°C, Avoid repeated freezing and thawing.
Usage Summary:	Immunohistochemistry: LS-B1454 was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for LS-B1454 was determined to be 5 ug/ml.
Uses:	IHC - Paraffin (5 µg/ml), Immunofluorescence, Western blot, Immunoprecipitation, ELISA (Optimal dilution to be determined by the researcher)
Size:	50 µl
Concentration:	10 mg/ml

Immunohistochemistry Image:



Anti-Alpha-1-Antitrypsin antibody IHC of human liver. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody LS-B1454 concentration 5 ug/ml.

Western Blot Image:



Alpha 1 anti-trypsin antibody-Fluorescent western blot. Primary and Dylight conjugated secondary antibodies were used to detect: Human transferrin (LS-C59393, green); Alpha 1 anti-trypsin (LS-C59210, red); and Human IgG (LS-C59376, Blue) in a multiplex fluorescent western blot of human serum. Each primary antibody was diluted to 1:1000 in IRdye blocking buffer (MB-070) and incubated for 2 hrs at RT. Blot was washed 3X in TTBS, 1X in TBS and probed with secondary antibodies diluted 1:10000 in IRdye blocking buffer and incubated ~1hr at 4 degrees. After wash 2X in TTBS and 2X in TBS, blot was rinsed 2X in MeOH, dried and imaged using the Bio-Rad VersaDoc4000.

Western Blot Image:



Alpha-1anti-Trypsin Polyclonal Antibody-Western blot. Goat anti-Alpha-1anti-Trypsin antibody (LS-B1454 lot 5854) was used to detect Alpha-1anti-Trypsin under reducing conditions. Reduced sample of purified target protein contained 4% BME and were boiled for 5 minutes. Samples of ~1 ug of protein per lane were run by SDS-PAGE. Protein was transferred to nitrocellulose and probed with 1:3000 dilution of primary antibody (ON 4 C in MB-070). Detection shown was using Dylight 488 conjugated Donkey anti-goat (1:10K in TBS/MB-070 1 hr RT). Images were collected using the Bio-Rad VersaDoc System.

Western Blot Image:



Alpha-1-Anti-Trypsin Polyclonal Antibody-Multiplex Fluorescent Western blot. Goat-anti-Alpha-1-Anti-Trypsin (LS-C59210 lot 5842, red), Rabbit anti-Transferrin (LS-C59393 lot 3033), and Mouse-a-GST (LS-C19065 lot 24882) were used in a multiplex system to detect target proteins under reducing (R) conditions (+4% BME) in albumin depleted human serum with 320 ng of added GST. Sample was run by SDS-PAGE, transferred to 0.2 um PVDF using the BioRad Trans-Blot Turbo and blocked in 2.5% Blotto, 2.5% BSA, 0.02% Tween over night at 4C. Membrane was probed with three primary antibodies at 1:1000 dilution (in MB-070 over night at 4C). Detection shown was using DyLight549 Donkey anti-Rabbit IgG (green) DyLight 488 Donkey anti-Mouse IgG (blue), and DyLight 649 Donkey anti-Goat IgG (red) at 1:10000 (in MB-070 30 min RT). Blots were washed, rinsed in methanol, dried and Images were collected using the Bio-Rad VersaDoc System.

Requested From:

Japan

Laboratory Reagent For In Vitro Research Use Only

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