

Alpha-1 Antitrypsin (SERPINA1) Monoclonal Antibody

CAB21972

Description

This Alpha-1 Antitrypsin (SERPINA1) Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU:	CAB21972
Contents:	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
Category:	Monoclonal Antibody
Synonyms:	PI, A1A, AAT, PI1, A1AT, nNIF, PRO2275, alpha1AT, Alpha-1 Antitrypsin (SERPINA1)
Clone:	ARC54184
Applications:	WB IF/ICC ELISA
Conjugation:	Unconjugated
Reactivity:	Human

Antibody Data

Gene ID:	5265
Uniprot:	-
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	62 kDa/55 kDa
Calculated MW:	47 kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

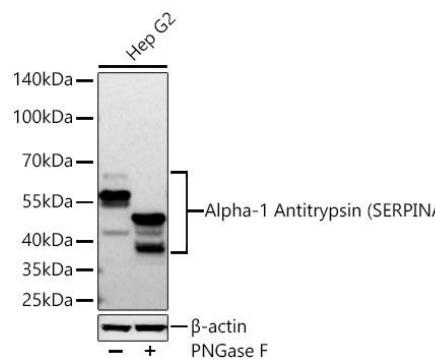
Store Bradford Reagent at Room Temperature for 1 Year.

Positive Sample: Hep G2 treated with PNGase F, HuH-7

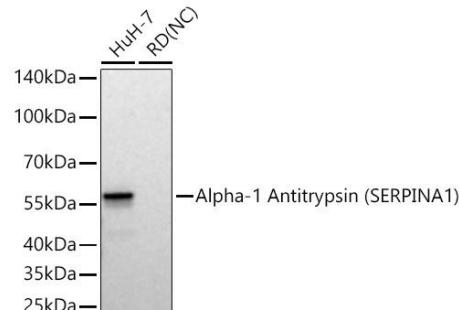
Recommended Dilutions:	WB	30000 - 120000
	IF/ICC	1:50 - 1:200
	ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

Validation Data



Western blot analysis of lysates from Hep cells using Alpha-1 Antitrypsin (SERPINA1) Rabbit mAb (CAB21972) at 1:63000 dilution. Hep treated with PNGase F (6 U/ul) at 37°C for 1 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 30 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 30 s.



Western blot analysis of various lysates using Alpha-1 Antitrypsin (SERPINA1) Rabbit mAb (CAB21972) at 1:63000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Negative control (NC): RD Exposure time: 30 s.