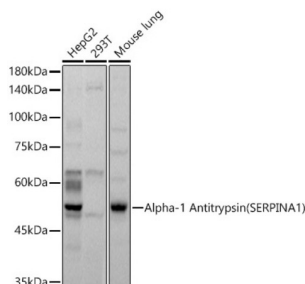
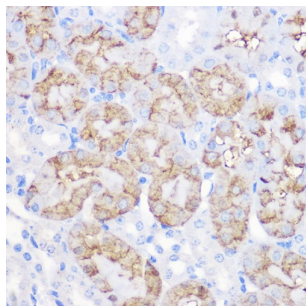


Alpha-1-Antitrypsin (SERPINA1) Antibody

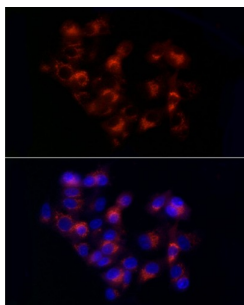
Catalogue No.: abx000959



Western blot analysis of various lysates using Alpha-1 Antitrypsin (SERPINA1) Antibody at 1/500 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 60s.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney using Alpha-1 Antitrypsin (SERPINA1) Antibody at dilution of 1/100 (40x lens). Microwave antigen retrieval performed in 0.01 M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunofluorescence analysis of HepG2 cells using Alpha-1 Antitrypsin (SERPINA1) Antibody at dilution of 1/50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1/500 dilution. Blue: DAPI for nuclear staining.

SERPINA1 Antibody is a Rabbit Polyclonal antibody against SERPINA1. The protein encoded by this gene is secreted and is a serine protease inhibitor whose targets include elastase, plasmin, thrombin, trypsin, chymotrypsin, and plasminogen activator. Defects in this gene can cause emphysema or liver disease. Several transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008].

Target: Alpha-1-Antitrypsin (SERPINA1)

Clonality: Polyclonal

Reactivity: Human, Mouse

Tested Applications: ELISA, WB, IHC, IF/ICC

Host: Rabbit

Recommended dilutions: ELISA: 1 µg/ml, WB: 1/100 - 1/500, IHC-P: 1/50 - 1/200, IF/ICC: 1/50 - 1/200. Not tested in IHC-F.
Optimal dilutions/concentrations should be determined by the end user.

Datasheet

Version: 3.0.0
Revision date: 01 Nov 2025



Conjugation:	Unconjugated
Immunogen:	Recombinant protein corresponding to SERPINA1. The exact sequence is proprietary.
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P01009 (UniProt , ExPASy)
Gene Symbol:	SERPINA1
GeneID:	5265
NCBI Accession:	NP_000286.3
KEGG:	hsa:5265
String:	9606.ENSP00000416066
Molecular Weight:	Calculated MW: 47 kDa Observed MW: 51 kDa
Buffer:	PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.
Concentration:	> 0.2 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.