

Datasheet for ABIN2787988

anti-SERPINA1 antibody (C-Term)**2** Images**2** Publications[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	SERPINA1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SERPINA1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human SERPINA1
Sequence:	LTHDIITKFL ENEDRRSASL HLPKLSITGT YDLKSVLGQL GITKVFSNGA
Predicted Reactivity:	Human: 100%
Characteristics:	This is a rabbit polyclonal antibody against SERPINA1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	SERPINA1
Alternative Name:	SERPINA1 (SERPINA1 Products)

Target Details

Background: Alpha-1-antitrypsin is a protease inhibitor, deficiency of which is associated with emphysema and liver disease. The protein is encoded by a gene (PI) located on the distal long arm of chromosome 14.

Alias Symbols: A1A, A1AT, AAT, MGC23330, MGC9222, PI, PI1, PRO2275, alpha1AT

Protein Interaction Partner: DERL1, DERL2, FN1, RCHY1, SSR1, SDC2, SMAD4, ECHS1, CANX, ATP5C1, GSDMB, VKORC1, ERLEC1, OS9, VCP, UBC, RAP2A, MIS12, DERL3, PRSS3, KLK5, MMP26, ADAMTS4, PRSS2, SERPINA1, PRSS1, MMP11, MMP7, PRTN3, KLK3, ELANE, CELA1, CTRB1, CTSG, LRP1, KLK13,

Protein Size: 418

Molecular Weight: 44 kDa

Gene ID: 5265

NCBI Accession: [NM_001127706](#), [NP_001121178](#)

UniProt: [P01009](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 418 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

Publications

Product cited in: Kam, Hennessy, Chua, Gan, Philp, Hon, Lai, Chan, Ong, Wong, Lim, Ling, Tan, Tan, Ho, Kon: "Characterization of the human gastric fluid proteome reveals distinct pH-dependent protein profiles: implications for biomarker studies." in: **Journal of proteome research**, Vol. 10, Issue 10, pp. 4535-46, (2011) ([PubMed](#)).

Koh, Rhee, Kang, Yang, You, Lee, Min, Kim, Nam, Kim: "Differential gene expression profiles of metastases in paired primary and metastatic colorectal carcinomas." in: **Oncology**, Vol. 75, Issue 1-2, pp. 92-101, (2008) ([PubMed](#)).

Images



Western Blotting

Image 1. WB Suggested Anti-SERPINA1 Antibody

Titration: 0.2-1 ug/ml

ELISA Titer: 1:312500

Positive Control: Jurkat cell lysate



Rabbit Anti-SERPINA1 Antibody
Catalog Number: ARP59239
Lot Number: QC30148
Lane: Jurkat Cell Lysate

Antibody Titration: 1.0µg/ml
Gel Concentration: 12%

Western Blotting

Image 2. WB Suggested Anti-SERPINA1

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1::12500

Positive Control: Jurkat cell lysate