

UK Office

Everest Biotech Ltd Cherwell Innovation Centre 77 Heyford Park Upper Heyford Oxfordshire

OX25 5HD UK

Enquiries:

info@everestbiotech.com Sales: sales@everestbiotech.com Tech support: support@everestbiotech.com

Tel: +44 (0)1869 238326 Fax: +44 (0)1869 238327

US Office

Everest Biotech c/o Abcore

405 Maple Street, Suite A106 Ramona, CA 92065 USA

Inquiries:

info@everestbiotech.com Sales: usasales@everestbiotech.com Tech support: support@everestbiotech.com

Tel: 888-320-4628 (toll-free) Fax: 888-841-9041

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB12279 - Goat Anti-alpha-1-antitrypsin Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: SERPINA1, serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1, A1A, A1AT, AAT, PI, PI1, PRO2275, alpha1AT, alpha-1 protease inhibitor, alpha-1-antiproteinase, alpha-1-antitrypsin, alpha-1-antitrypsin null, protease inhibitor 1 (anti-elastase), alpha-1-antitrypsin, serine (or cysteine) proteinase inhibitor, clade A, member 1, serpin A1

Official Symbol: SERPINA1

Accession Number(s): NP_000286.3

Human GenelD(s): 5265

Important Comments: The immunizing peptide represents the N terminus of the mature protein. Reported variants represent identical protein: NP_001121174.1, NP_001121179.1, NP_001121172.1, NP_001121177.1, NP_001121178.1, NP_001121176.1, NP_001121175.1, NP_000286.3, NP_001121173.1, NP_001002236.1, NP_001002235.1.

Immunogen

Peptide with sequence C-QKTDTSHHDQDHP, from the internal region (near N terminus) of the protein sequence according to NP_000286.3.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

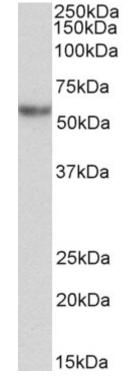
Applications Tested

Peptide ELISA: antibody detection limit dilution 1:16000.Western blot: Approx 55kDa band observed in Albumin-depleted Human Plasma lysates

(calculated MW of 46.7kDa according to NP_000286.3). The observed molecular weight corresponds to the glycosylated form. Recommended concentration: 0.3-1µg/ml.

Species Reactivity

Tested: Human Expected from sequence similarity: Human



EB12279 (0.3µg/ml) staining of Albumin-depleted Human Plasma lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.