

## UK Office

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**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, P11, 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 GeneID(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-QKTDTSHHDDQDHP, 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 (0.3 $\mu$ g/ml) staining of Albumin-depleted Human Plasma lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.