

## Polyclonal Antibody to Alpha-1-antitrypsin - Aff - Purified

<b>Alternate names:</b>	AAT, Alpha-1 protease inhibitor, Alpha-1-antiproteinase, SERPINA1
<b>Catalog No.:</b>	TA326723
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.5 mg/ml
<b>Uniprot ID:</b>	<a href="#">P01009</a>
<b>NCBI:</b>	<a href="#">9606</a>
<b>GeneID:</b>	<a href="#">5265</a>
<b>Host:</b>	Goat
<b>Immunogen:</b>	Peptide with sequence from the internal region (near N terminus) of the protein sequence according to NP_000286.3. <b>AA Sequence:</b> C-QKTDTSHHQDHP <b>Remarks:</b> 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.
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction <b>Purification:</b> Ammonium Sulphate Precipitation followed by Antigen Affinity Chromatography using the immunizing peptide <b>Buffer System:</b> Tris saline, pH~7.3 <b>Preservatives:</b> 0.02% Sodium Azide <b>Stabilizers:</b> 0.5% BSA
<b>Applications:</b>	<b>Peptide ELISA:</b> 1/16000 (Detection Limit). <b>Western Blot:</b> 0.3-1.0 µg/ml. 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. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognizes Human alpha-1-Antitrypsin. Other species not tested.
<b>Storage:</b>	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Pictures:

TA326723 (0.3µg/ml) staining of Albumin-depleted Human Plasma lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

