

Polyclonal Antibody to Antitrypsin, Alpha-1 (AAT)

Catalog No.:	DP3003
Quantity/Conc.:	0.5 ml / Protein 7-8 mg/ml
Immunogen:	Highly purified alpha-1-antitrypsin from human serum.
Host/Isotype:	Rabbit
Format:	This antiserum is prepared by hyperimmunizing rabbit with highly purified antigen; the antiserum is delipidated and made specific by solid-phase absorption. The resulting antiserum is dialyzed into 0.02M Sodium Phosphate, 0.1M Sodium Chloride, pH 7.3, with 0.05% Sodium Azide, and adjusted to standard titer.
Applications:	Immunohistochemistry: 1:50-1:100. This antibody can be used on frozen tissue sections and on formalin-fixed, paraffin-embedded tissue sections. Prolonged fixation in buffered formalin can destroy the epitope. The antibody may be used at a dilution of 1:50-1:100 with HistoScan Rabbit Detection Kit (06-602, 06-602A). Proteolytic predigestion of formalin-fixed paraffin embedded tissue sections is recommended. Recommended positive control: Spleen, Tonsil, Breast Carcinoma, Liver. Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts with human alpha-1-antitrypsin. Other contaminating antibodies have been removed on affinity solid-phase human plasma proteins. This antibody forms single band in radial immunodiffusion. Cross-reacts strongly with alpha-1-antitrypsin from Swine. Cross-reacts weakly with alpha-1-antitrypsin from Dog and Horse. Does not cross-react with alpha-1-antitrypsin from Cat, Chicken, cow, goat, Guinea Pig, Mouse, Rat or sheep. Cellular Localiztation: cytoplasmic.
Aliquoting Instructions:	Do not dilute the entire reconstituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4C. Dilute according to the particular application being used. In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good diluent to use with most antibodies. Avoid diluting the entire contents of the vial at once since the diluted solution may have reduced stability.
Storage:	Store the antibody at 4°C. Do not freeze! Shelf life: one year from despatch.

References:

1. Kalsheker NA, Warner JT, Watkins GL, Clin Chim Acta, 148:157-160, 1985.
2. Clausen PP, Acta Path Microbiol Scand Sect A, 88:299-306, 1980.
3. Krugliak L, Meyer PR, Taylor CR, Am J Hematol, 21:99-109, 1986.

DP3003/ME0604

For research and *in vitro* use only. Not for diagnostic or therapeutic work.
Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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