



Polyclonal Antibody to Alpha -1- ANTITRYPSIN (A1Ap)

Technical Data Sheet

Reagent Category

Polyclonal primary antibody to Alpha-1 antitrypsin (A1Ap)

Antibody Formats Supplied

- 7 ml of anti A1Ap, Ready-To-Use
- 0.2 ml of anti A1Ap, Concentrate

PRODUCT# IMI10761E (Ready-To-Use)

PRODUCT# IMI10752E (Concentrate)

SOURCE: Rabbit

IMMUNOGEN: Human serum alpha-1-antitrypsin

REACTIVITY

Alpha-1 antitrypsin is a protease (elastase) inhibitor that is synthesized in liver and it is involved in the neutralization of elastase secreted by neutrophils during the inflammatory response. Alpha-1-antitrypsin deficiency is associated with liver disease, panacinar emphysema and neonatal hepatitis and liver cirrhosis. This antibody is suitable for use on routinely fixed paraffin embedded and frozen sections and it is compatible with formalin fixed tissues.

POSITIVE CONTROL TISSUE: Liver

Antibody FORMAT, DILUTION and INCUBATION

7 ml of pre-diluted, Ready-to-Use; Do not dilute. Incubate for 30 minutes. This antibody best stains when formalin fixed paraffin embedded sections are retrieved.

For Background-Free and easy retrieval, Innovex Uni-Trieve (60°-70°C) universal retrieval solution is highly recommended. To retrieve with Uni-Trieve: Warm up water bath to 60°-70°C and fill a slide holding container with Uni-Trieve solution. Place slides in a slide rack and immerse slides in a vessel or a coplin jar containing Uni-Trieve solution, bring the Uni-Trieve solution and slides to 60°-70°C and let slides incubate at 60°-70°C for 30 minutes. Rinse slides with 2 quick changes of water; No cooling period is required. Proceed with immunostaining.

0.2 ml Concentrate; dilute 1:50 for 30 minutes incubation. For longer incubation time the titer should be determined by the end user. All concentrated antibodies must be titrated by the user for the secondary reagents and tissues employed. This antibody best stains when formalin fixed paraffin embedded sections are retrieved.

For Background-Free and easy retrieval, Innovex Uni-Trieve (60°-70°C) universal retrieval solution is highly recommended. To retrieve with Uni-Trieve: Warm up water bath to 60°-70°C and fill a slide holding container with Uni-Trieve solution. Place slides in a slide rack and immerse slides in a vessel or a coplin jar containing Uni-Trieve solution, bring the Uni-Trieve solution and slides to 60°-70°C and let slides incubate at 60°-70°C for 30 minutes. Rinse slides with 2 quick changes of water; No cooling period is required. Proceed with immunostaining.

The above dilutions and incubation times were derived by the use of Innovex STAT-Q and HISTO-STAT staining systems. For less sensitive staining systems these dilution factors may vary and they should be determined by the end user for specific detection system employed.

CONTINUED OVER



American MasterTech

scientific laboratory supplies

POST OFFICE BOX 2539 LODI, CALIFORNIA 95241 TELEPHONE: 1 (800) 860 4073 FACSIMILE: 1 (209) 368 4136

APPLICATION

This antibody is intended for use in immunolocalization of alpha-1-antitrypsin in human or animal tissue by a variety of immunoassays such as Immunochemistry, fluorescent labeling, ELISA, Immunoblotting and dot blotting. In immunochemistry, this antibody can be used in staining routinely fixed paraffin embedded or frozen histological sections for the purpose of qualitative localization of alpha-1-antitrypsin antigens. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

SPECIES REACTIVITY

This antibody's reactivity with human has been substantiated, other species reactivity may be characterized by the end user

STORAGE CONDITIONS

Store in refrigerator at 2-8°C through expiration date noted on the vial.

IMPORTANT NOTE:

The interpretation of test results is the sole responsibility of the end user.

FOR PROFESSIONAL AND RESEARCH USE ONLY