Alpha-1-Antitrypsin

Instructions for Use

Specification:
The immunohistochemical staining of Alpha-1-Antitrypsin is very useful in the study of inherited AAT deficiency, benign and malignant hepatic tumors and yolk sac carcinomas. Positive staining for A-1-Antitrypsin may also be used in detection of benign and malignant lesions of a histiocytic nature. Sensitivity and specificity of the results have made this antibody a useful tool in the screening of patients with cryptogenic cirrhosis or other forms of liver disease with portal fibrosis of uncertain etiology.

Availability:

Catalog No.	Contents	Volume
ILP2113-C01	Alpha-1-Antitrypsin	0,1 ml concentrate
ILP2113-C05	Alpha-1-Antitrypsin	0,5 ml concentrate
ILP2113-C1	Alpha-1-Antitrypsin	1,0 ml concentrate

Intended use: For Research Use Only

Reactivity: Human

Species of origin: Rabbit

Isotype: IgG

Control Tissue: Tonsil

Staining: Cytoplasmic

Presentation: Anti-A-1-Antitrypsin is a rabbit polyclonal antibody purified from rabbit anti-sera diluted in tris buffered saline, pH 7.3-7.7, with protein base, and preserved with sodium azide.

Application and suggested dilutions:
Pre-treatment: Heat induced epitope retrieval in 10 mM citrate buffer, pH6.0, or in 50 mM Tris buffer pH9.5, for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Immunohistochemical staining of cryostat tissue sections (dilution up to 1:100-1:2000)
- Immunohistochemical staining of formalin-fixed, paraffin embedded tissue section (dilution up to 1:100-1:2000)

Note: Dilute the antibody in 10% normal goat serum followed by a goat anti-rabbit secondary antibody-based detection is recommended.

Storage & Stability: Store at 2-8 °C. Do not use after expiration date printed on the vial.

References:

1) Isaacson, P, et al., Lancet 1979;2:964-965
2) Palmer, PE, et al., Am J Clin Pathol 1974;62:350-354
3) Palmer, PE, et al., Cancer 1980;45:1424-1431
4) Kindblom, LG, et al., Hum Pathol 1982;13:834-840
5) Raintoft, I et al., Hum Pathol 1979,10:419-424
6) Aozasa K et al. J Surg Oncol. 1991 Aug;47(4):215-20
7) Takahashi H et al. Acta Pathol Jpn. Sep;40(9):655-64
8) Lindmark B et al. Histopathology. 1990 Mar;16(3):221-5
9) Nishio J et al. Hum Pathol. 2003 Mar;34(3):246-52