



alpha 1-antitrypsin Antibody

E81103-1

Catalog Number: E81103-1

Quantity : 100ul

Project ID:

Description: Alpha 1-Antitrypsin is a inhibitor of serine proteases. Its primary target is elastase, but it also has a moderate affinity for plasmin and thrombin. It Irreversibly inhibits trypsin, chymotrypsin and plasminogen activator. The aberrant form inhibits insulin-induced NO synthesis in platelets, decreases coagulation time and has proteolytic activity against insulin and plasmin. Defects in SERPINA1 are the cause of alpha-1-antitrypsin deficiency (A1ATD). A disorder whose most common manifestation is emphysema, which becomes evident by the third to fourth decade. A less common manifestation of the deficiency is liver disease, which occurs in children and adults, and may result in cirrhosis and liver failure.

Storage Instruction: Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Storage Buffer: 1*TBS (pH7.4), 0.5%BSA, 25%Glycerol. Preservative: 0.05% Sodium Azide.

Product Type: Rabbit Polyclonal IgG, primary antibodies

Form: Liquid

Purity: Immunogen affinity purified

Specificity/Source: This antibody is produced by immunizing rabbits with a synthetic peptide (KLH-coupled) corresponding to the residues of.

Reactivity: Human

Applications: WB: 1:1,000

Molecular Weight: 52kDa

Swiss-Prot No. : P01009

Cellular Localization: Secreted

Positive control: Human plasma

- References:**
1. "Canonical inhibitor-like interactions explain reactivity of alpha1-proteinase inhibitor Pittsburgh and antithrombin with proteinases."Dementiev A., Simonovic M., Volz K., Gettins P.G.J. Biol. Chem. 278:37881-37887(2003)
 2. "A novel alpha-1-antitrypsin r281del variant found in a population sample from the Basque country."Seixas S., Garcia O., Amorim A., Rocha J.Hum. Mutat. 15:121-122(2000)

For Research Use Only

50kDa-

37kDa-

25kDa-

20kDa-



Western blot analysis on human plasma using anti-Alpha 1-Antitrypsin antibody.

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