
Alpha-1 Antitrypsin Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250475

Unit: 0.1 mg

Description:

AAT (Alpha-1-antitrypsin) is an inhibitor of serine proteases. Although AAT's primary target is elastase, the enzyme has also a moderate affinity for plasmin and thrombin. AAT 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. AAT deficiency is related to emphysema and liver disease.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: B, D, H, M, P, Rb, R, Sh

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Alpha-1-antitrypsin; Alpha-1 protease inhibitor; Alpha-1-antiproteinase; SERPINA1; AAT; PI

Accession No.: P01009

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human AAT.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:200-500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

Product Citations: Carpe N. et al. 2010. Am. J. Respir. Cell Mol. Biol. 43(6): 720-730. PMID# 20118217.

For research use only, not for diagnostic or therapeutic procedures.