

Native Human Antithrombin III/ATIII protein ab95077

描述

产品名称	Native人Antithrombin III/ATIII蛋白
纯度	> 95 % SDS-PAGE.
表达系统	Native
蛋白长度	Full length protein
无动物成分	No
性质	Native
种属	Human

技术指标

Our **Abpromise guarantee** covers the use of **ab95077** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Purification SDS-PAGE
形式	Liquid
补充说明	2ml of 1:1 slurry 1.0 mg/ml coupled May be used repeatedly. Protocol for purifying high affinity heparin with immobilized antithrombin: 1. Equilibrate immobilized antithrombin in TBS (0.1M Tris-HCl, 0.15M NaCl, pH 7.4) or PBS (0.05M Sodium Phosphate, 0.15M NaCl, pH 7.4). 2. Apply heparin in TBS or PBS. Binding capacity is ~0.1 mg high affinity heparin / ml resin and must be determined by the end user. 3. Wash and elute heparin with 3M NaCl in TBS or PBS. 4. Re-equilibrate resin in TBS or PBS. 5. Add 0.02percent Sodium Azide for storage. Previously labelled as Antithrombin III.

制备和贮存

稳定性和存储	Shipped at 4°C. Store at +4°C. pH: 7.40
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Preservative: 0.02% Sodium azide
Constituents: 1.58% Tris HCl, 0.87% Sodium chloride

常规信息

功能	Most important serine protease inhibitor in plasma that regulates the blood coagulation cascade. AT-III inhibits thrombin as well as factors IXa, Xa and XIa. Its inhibitory activity is greatly enhanced in the presence of heparin.
组织特异性	Found in plasma.
疾病相关	Defects in SERPINC1 are the cause of antithrombin III deficiency (AT3D) [MIM:613118]. AT3D is an important risk factor for hereditary thrombophilia, a hemostatic disorder characterized by a tendency to recurrent thrombosis. AT3D is classified into 4 types. Type I: characterized by a 50% decrease in antigenic and functional levels. Type II: has defects affecting the thrombin-binding domain. Type III: alteration of the heparin-binding domain. Plasma AT-III antigen levels are normal in type II and III. Type IV: consists of miscellaneous group of unclassifiable mutations.
序列相似性	Belongs to the serpin family.
翻译后修饰	Phosphorylation sites are present in the extracellular medium.
细胞定位	Secreted > extracellular space.

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