

ANT3 Rabbit pAb

CatalogNo: YN0451

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, ELISA

MW

- 51kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human protein . at AA range: 1-80

Specificity ANT3 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name SERPINC1 AT3 PRO0309

Protein Name	Antithrombin-III (ATIII) (Serp1n C1)		
	Organism	Gene ID	UniProt ID
	Human	462;	P01008;
	Mouse		P32261;
Cellular Localization	Secreted, extracellular space.		
Tissue specificity	Found in plasma.		
Function	Disease:Defects in SERPINC1 are the cause of antithrombin-III deficiency (AT3D) [MIM:107300]. 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.,Function: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.,mass spectrometry: PubMed:7734359,mass spectrometry:Variant Thr-414 PubMed:7734359,online information:Antithrombin entry,online information:The Singapore human mutation and polymorphism database,similarity:Belongs to the serpin family.,tissue specificity:Found in plasma.,		

| Validation Data

| Contact information

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