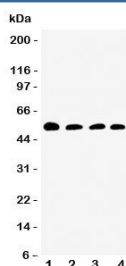


## Antithrombin III Antibody (R31342)

| Catalog No. | Formulation                                           | Size   |
|-------------|-------------------------------------------------------|--------|
| R31342      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

|                           |                                                                          |
|---------------------------|--------------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                                        |
| <b>Species Reactivity</b> | Human, Mouse, Rat                                                        |
| <b>Format</b>             | Antigen affinity purified                                                |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                                               |
| <b>Isotype</b>            | Rabbit IgG                                                               |
| <b>Purity</b>             | Antigen affinity                                                         |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal |
| <b>UniProt</b>            | P01008                                                                   |
| <b>Applications</b>       | Western Blot : 0.5-1ug/ml                                                |
| <b>Limitations</b>        | This Antithrombin III antibody is available for research use only.       |



Western blot testing of Antithrombin III antibody and Lane 1: rat testis; 2: SMMC-7721; 3: Jurkat; 4: Raji cell lysate. Expected/observed size ~52KD

## Description

Antithrombin III (AT3), is the most important inhibitor of thrombin and other coagulation proteinases. It is a plasma protease inhibitor and a member of the serpin superfamily. This protein inhibits thrombin as well as other activated serine proteases of the coagulation system, and it regulates the blood coagulation cascade. The protein includes two functional domains: the heparin binding-domain at the N-terminus of the mature protein, and the reactive site domain at the C-terminus. The inhibitory activity is enhanced by the presence of heparin. More than 120 mutations have been identified for this gene, many of which are known to cause antithrombin-III deficiency.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Antithrombin III antibody may be required due to differences in protocols and secondary/substrate sensitivity.

### **Immunogen**

An amino acid sequence from the N-terminus of human AT3 (TFYQHLADSKNDNDN) was used as the immunogen for this Antithrombin III antibody.

### **Storage**

After reconstitution, the Antithrombin III antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.