

## SERPINC1

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC IF

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

**Calculated MW:**53kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human SERPINC1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

AT3; ATIII; MGC22579; AT3D; THPH7;

**Catalog #:**A1574

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**462

**Isotype:**IgG

**Swiss Prot:**P01008

**Purity:**Affinity purification

For research use only.

**Background:**

SERPINC1, also named Antithrombin III or Antithrombin, 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.

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