

## PLAT

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**Reactivity:**Human Rat

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:200 - 1:1000 IHC 1:50 - 1:200

**Calculated MW:**63kDa

**Observed MW:**Refer to figures

**Immunogen:**

A synthetic peptide of human PLAT

**Storage Buffer:**

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

**Synonym:**

TPA; T-PA;

**Catalog #:**A3132

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**5327

**Isotype:**IgG

**Swiss Prot:**P00750

**Purity:**Affinity purification

For research use only.

**Background:**

This gene encodes tissue-type plasminogen activator, a secreted serine protease which converts the proenzyme plasminogen to plasmin, a fibrinolytic enzyme. Tissue-type plasminogen activator is synthesized as a single chain which is cleaved by plasmin to a two chain disulfide linked protein.

This enzyme plays a role in cell migration and tissue remodeling. Increased enzymatic activity causes hyperfibrinolysis, which manifests as excessive bleeding; decreased activity leads to hypofibrinolysis which can result in thrombosis or embolism. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms.

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