

## Product Datasheet

# PLAT Antibody

Catalog No: CY6620

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC



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### Information

**UniProt ID:** P00750

**All Names:** TPA; T-PA; TPA1; PLAT; Tissue plasminogen activator;

**Form:** Liquid

**Storage instructions:** Store at +4° C short term. Store at -20° C long term. Avoid freeze / thaw cycle.

**Storage buffer:** pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Purity:** Affinity-chromatography

**Immunogen:** A synthesized peptide

**Molecular Wt.:** 63 kDa

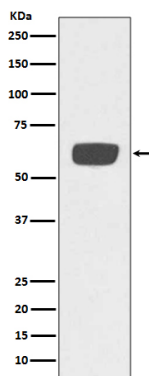
### Application

WB 1:500~1:2000

IHC 1:50~1:200

### 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.



Western blot analysis of PLAT expression in Human plasma lysate.

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