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# tPA/PLAT Rabbit mAb

**Catalog No.: A4210**　　`Recombinant`　　`2 Publications`

## Basic Information

**Observed MW**
70kDa

**Calculated MW**
63kDa

**Category**
SMab Recombinant Monoclonal Antibody

**Applications**
WB,IF/ICC,ELISA

**Cross-Reactivity**
Human,Mouse,Rat

**CloneNo number**
ARC0928

## Background

This gene encodes tissue-type plasminogen activator, a secreted serine protease that converts the proenzyme plasminogen to plasmin, a fibrinolytic enzyme. The encoded preproprotein is proteolytically processed by plasmin or trypsin to generate heavy and light chains. These chains associate via disulfide linkages to form the heterodimeric enzyme. This enzyme plays a role in cell migration and tissue remodeling. Increased enzymatic activity causes hyperfibrinolysis, which manifests as excessive bleeding, while decreased activity leads to hypofibrinolysis, which can result in thrombosis or embolism. Alternative splicing of this gene results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed.

## Recommended Dilutions

| | |
|---|---|
| **WB** | 1:1000 - 1:6000 |
| **IF/ICC** | 1:100 - 1:400 |
| **ELISA** | Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |

## Immunogen Information

**Gene ID**
5327

**Swiss Prot**
P00750

**Immunogen**
Synthetic peptide. This information is considered to be commercially sensitive.

**Synonyms**
TPA; T-PA; tPA/PLAT

## Contact

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## Product Information

**Source**
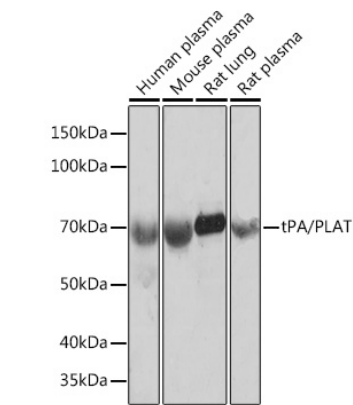Rabbit

**Isotype**
IgG

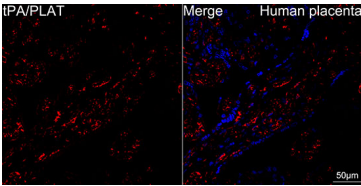**Purification**
Affinity purification

**Storage**
Store at -20℃. Avoid freeze / thaw cycles.
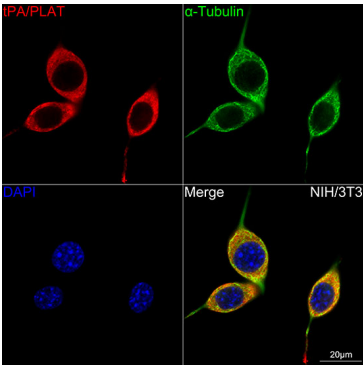Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

# Validation Data



Western blot analysis of various lysates using tPA/tPA/PLAT Rabbit mAb (A4210) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



Confocal imaging of human placenta using tPA/PLAT Rabbit mAb (A4210,at dilution of 1:100) (Red). DAPI was used for nuclear staining (blue). Objective: 40x. Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol.



Confocal imaging of NIH/3T3 cells using tPA/PLAT Rabbit mAb (A4210,at dilution of 1:100) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012,dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.