

**PLAT Antibody**  
Rabbit mAb  
Catalog # AP91051

## Specification

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### PLAT Antibody - Product Information

Application	WB, IHC
Primary Accession	<a href="#">P00750</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
TPA; T-PA; TPA1; PLAT; Tissue plasminogen activator;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	62917 Da

### PLAT Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human PLAT
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

### PLAT Antibody - Protein Information

Name PLAT ([HGNC:9051](#))

#### Function

Converts the abundant, but inactive, zymogen plasminogen to plasmin by hydrolyzing a single Arg-Val bond in plasminogen. By controlling plasmin-mediated proteolysis, it plays an important role in tissue remodeling and degradation, in cell migration and many other physiopathological events. During oocyte activation, plays a role in cortical granule reaction in the zona reaction, which contributes to the block to polyspermy (By similarity).

#### Cellular Location

Secreted, extracellular space.

#### Tissue Location

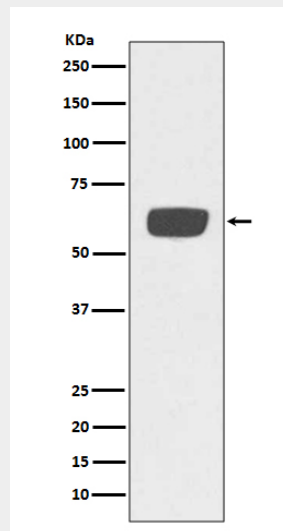
Synthesized in numerous tissues (including tumors) and secreted into most extracellular body fluids, such as plasma, uterine fluid, saliva, gingival crevicular fluid, tears, seminal fluid, and milk

#### PLAT Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### PLAT Antibody - Images



Western blot analysis of PLAT expression in human plasma lysate.