

## Anti-PLAT/Tpa Rabbit Monoclonal Antibody

Catalog # ABO13499

#### Specification

# Anti-PLAT/Tpa Rabbit Monoclonal Antibody - Product Information

Application WB, IHC **Primary Accession** P00750 Rabbit Host Isotype Rabbit IgG Reactivity Rat, Human, Mouse Clonality Monoclonal Format Liquid Description Anti-PLAT/Tpa Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.

## Anti-PLAT/Tpa Rabbit Monoclonal Antibody - Additional Information

Gene ID 5327

**Other Names** Tissue-type plasminogen activator, t-PA, t-plasminogen activator, tPA, 3.4.21.68, Alteplase, Reteplase, Tissue-type plasminogen activator chain A, Tissue-type plasminogen activator chain B, PLAT (<a href="http://www.genenames.org/cgi-bin/gene\_symbol\_report?hgnc\_id=9051" target="\_blank">HGNC:9051</a>)

Calculated MW 62917 MW KDa

Application Details WB 1:500-1:2000<br>HC 1:50-1:200

**Subcellular Localization** Secreted, extracellular space.

**Tissue Specificity** 

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.

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen A synthesized peptide derived from human PLAT

**Purification** Affinity-chromatography



Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

### Anti-PLAT/Tpa Rabbit Monoclonal Antibody - Protein Information

Name PLAT (<u>HGNC:9051</u>)

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

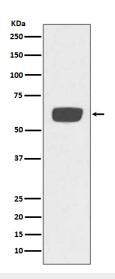
#### Anti-PLAT/Tpa Rabbit Monoclonal Antibody - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Anti-PLAT/Tpa Rabbit Monoclonal Antibody - Images





Western blot analysis of PLAT expression in human plasma lysate.