

Product datasheet for **TA321237S**

PLAT Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: 231 cells IHC: 50-200 Positive control: Human lung cancer Predicted cell location: Cytoplasm
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 255-267 amino acids of human plasminogen activator, tissue
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	63 kDa
Gene Name:	plasminogen activator, tissue type
Database Link:	NP_000921 Entrez Gene 5327 Human P00750



[View online »](#)

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.

Synonyms:

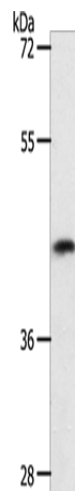
T-PA; TPA

Protein Families:

Druggable Genome, Protease, Secreted Protein

Protein Pathways:

Complement and coagulation cascades

Product images:

Gel: 8%SDS-PAGE

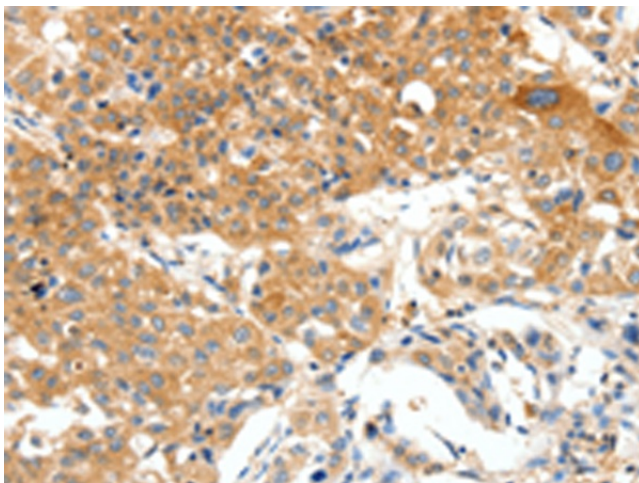
Lysate: 40 µg

Lane: 231 cells

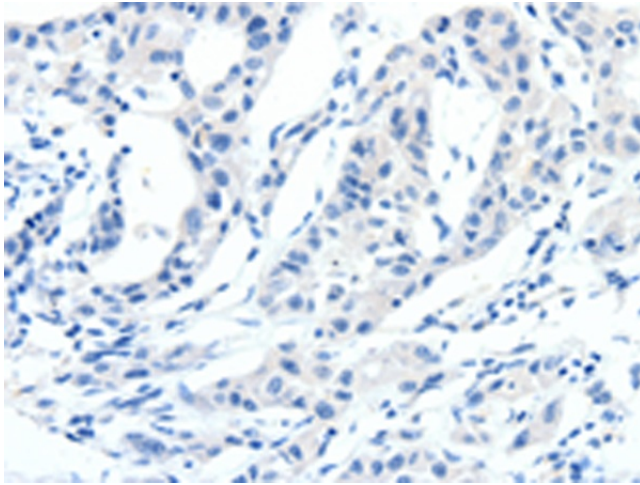
Primary antibody: [TA321237] (PLAT Antibody) at dilution 1/450

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

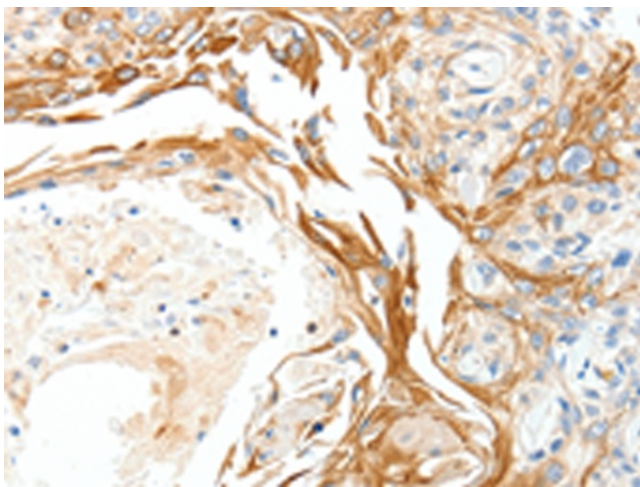
Exposure time: 10 minutes



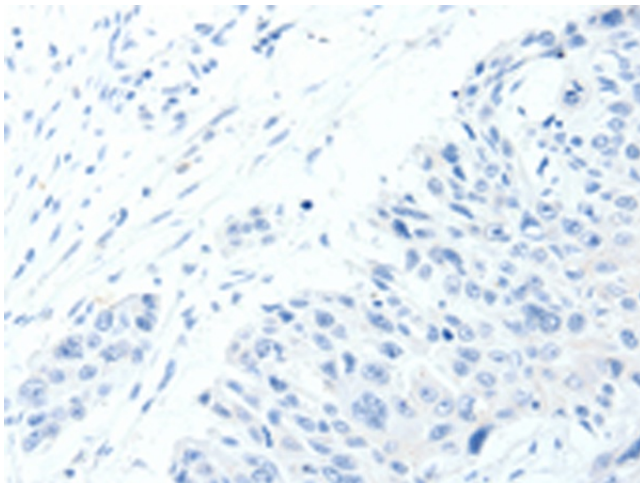
Immunohistochemistry of paraffin-embedded Human lung cancer tissue using [TA321237] (PLAT Antibody) at dilution 1/50 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human lung cancer tissue using [TA321237] (PLAT Antibody) at dilution 1/50, treated with synthetic peptide. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using [TA321237] (PLAT Antibody) at dilution 1/50 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using [TA321237] (PLAT Antibody) at dilution 1/50, treated with synthetic peptide. (Original magnification: $\times 200$)