

## tPA Polyclonal Antibody

Catalog number: 10147-1-AP

Size: 40 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

PLAT; Alteplase,

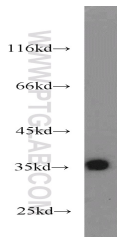
DKFZp686I03148, plasminogen

activator, tissue, PLAT,

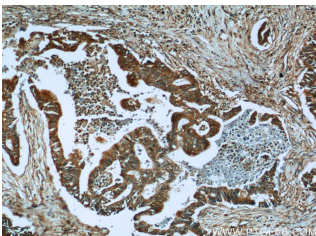
Retepase, T PA, t plasminogen

activator, Tissue Plasminogen

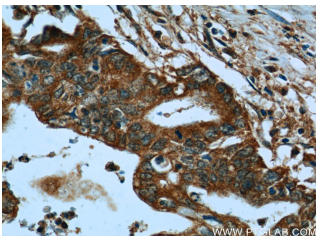
Activator, tPA



mouse pancreas tissue were subjected to SDS PAGE followed by western blot with 10147-1-AP(PLAT antibody) at dilution of 1:1000



Immunohistochemistry of paraffin-embedded human pancreas cancer tissue slide using 10147-1-AP( PLAT Antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemistry of paraffin-embedded human pancreas cancer tissue slide using 10147-1-AP( PLAT Antibody) at dilution of 1:50 (under 40x lens)

### Background

Plasminogen activator, tissue (PLAT, synonyms: TPA, T-PA) is a 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. PLAT 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. tPA has 4 isoforms produced by alternative splicing with the MW of 63 kDa, 33 kDa, 57 kDa and 44 kDa.

### Applications

Tested applications:	ELISA, WB, IHC, IP
Cited applications:	IHC
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Mouse
Calculated tPA MW:	57 kDa
Observed tPA MW:	32-35 kDa, 65 kDa
Positive WB detected in	Mouse pancreas tissue, mouse kidney tissue
Positive IP detected in	Mouse kidney tissue
Positive IHC detected in	Human pancreas cancer tissue, human ovary tumor tissue, human placenta tissue
Recommended dilution:	WB: 1:500-1:5000 IP: 1:500-1:5000 IHC: 1:20-1:200

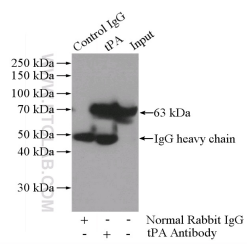
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag0200
GenBank accession number:	BC002795
Gene ID (NCBI):	5327
Full name:	Plasminogen activator, tissue

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



**IP Result of anti-PLAT**  
**(IP:10147-1-AP, 3ug;**  
**Detection:10147-1-AP 1:1000)**  
**with mouse kidney tissue**  
**lysate 4000ug.**