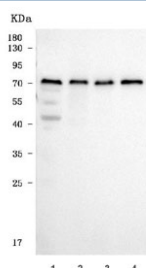


tPA Antibody / Tissue Plasminogen Activator (R31758)

Catalog No.	Formulation	Size
R31758	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P00750
Applications	Western Blot : 0.5-1ug/ml
Limitations	This tPA antibody is available for research use only.



Western blot testing of human 1) HeLa, 2) PC-3, 3) U-87 MG and 4) SH-SY5Y cell lysate with tPA antibody. Expected molecular weight: 64-70 kDa.

Description

Tissue Plasminogen activator (tPA) is a secreted serine protease which converts the proenzyme plasminogen to plasmin, a fibrinolytic enzyme. tPA 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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the tPA antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 366-562) was used as the immunogen for this tPA antibody.

Storage

After reconstitution, the tPA antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.