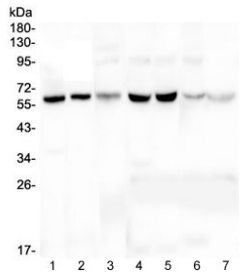
tPA Antibody / Tissue Plasminogen Activator (RQ4883)

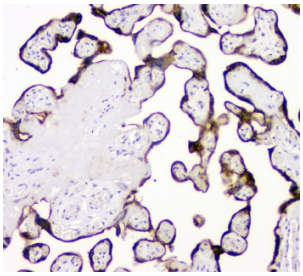
Catalog No.	Formulation	Size
RQ4883	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

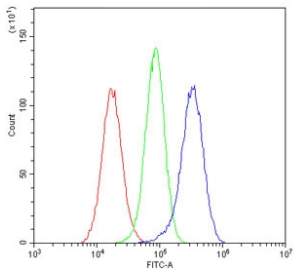
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P00750
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 1-2ug/ml Flow Cytometry: 1-3ug/10^6 cells
Limitations	This tPA antibody is available for research use only.



Western blot testing of 1) human HeLa, 2) human U-2 OS, 3) human U-87 MG, 4) rat liver, 5) rat kidney, 6) mouse liver and 7) mouse kidney lysate with tPA antibody at 0.5ug/ml. Expected molecular weight: 64-70 kDa.



IHC staining of FFPE human placental tissue with tPA antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



Flow cytometry testing of human U-251 cells with tPA antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= tPA antibody.

Description

PLAT is also known as tPA. 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.

Application Notes

Optimal dilution of the tPA antibody should be determined by the researcher.

Immunogen

Amino acids QKDVPGVYTKVTNYLDWIRDNMRP from the human protein were used as the immunogen for the tPA antibody.

Storage

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

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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