

# Product Datasheet

## t-Plasminogen Activator/tPA Antibody NBP2-20648

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**NBP2-20648****t-Plasminogen Activator/tPA Antibody**

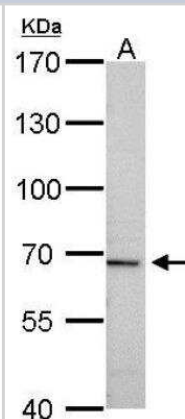
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.025% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS, 1% BSA, 20% Glycerol
<b>Target Molecular Weight</b>	63 kDa

<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	5327
<b>Gene Symbol</b>	PLAT
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Immunogen displays the following percentage of sequence identity for non-tested species: Porcine (82%), Bovine (82%).
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human t-Plasminogen Activator/tPA. The exact sequence is proprietary.

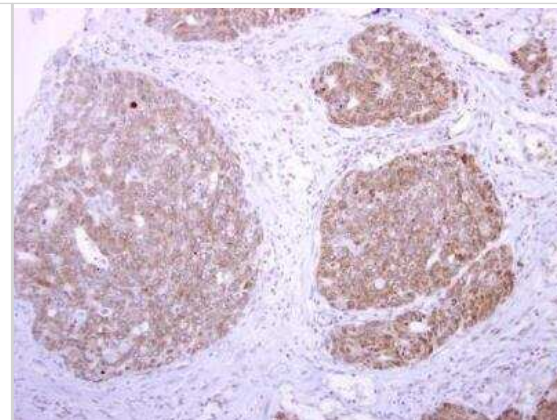
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, ELISA Reported in scientific literature (PMID 28132883), Immunohistochemistry 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

**Images**

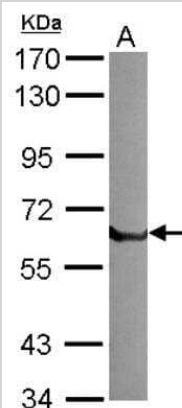
Western Blot: t-Plasminogen Activator/tPA Antibody [NBP2-20648] - A. 30 ug PC-12 whole cell lysate/extract 7.5% SDS-PAGE tPA antibody dilution: 1:1000 The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



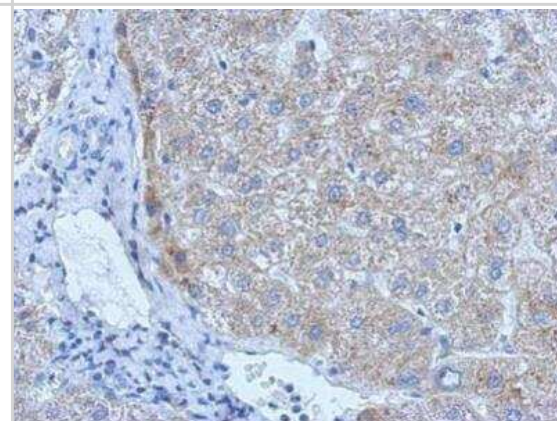
Immunohistochemistry-Paraffin: t-Plasminogen Activator/tPA Antibody [NBP2-20648] - Colon carcinoma. tPA antibody dilution: 1:250. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



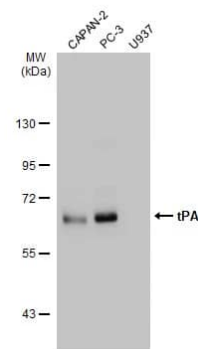
Western Blot: t-Plasminogen Activator/tPA Antibody [NBP2-20648] - Sample (30 ug of whole cell lysate) A: 293T 7. 5% SDS PAGE gel, diluted at 1:1000.



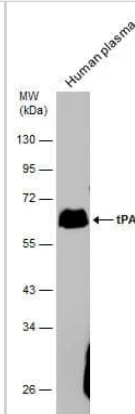
Immunohistochemistry-Paraffin: t-Plasminogen Activator/tPA Antibody [NBP2-20648] - Human hepatoma. tPA antibody dilution: 1:500. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



Western Blot: t-Plasminogen Activator/tPA Antibody [NBP2-20648] - Various whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with t-Plasminogen Activator/tPA antibody (NBP2-20648) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Human plasma (30 ug) was separated by 7.5% SDS-PAGE, and the membrane was blotted with tPA antibody (NBP2-20648) diluted at 1:2000.



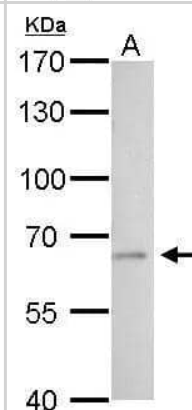
tPA antibody detects PLAT protein by western blot analysis.

A. 30 ug Neuro2A whole cell lysate/extract

7.5% SDS-PAGE

tPA antibody (NBP2-20648) dilution: 1:1000

The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



## Publications

Santus William, Barresi Simona, Mingozi Francesca et al. Skin infections are eliminated by cooperation of the fibrinolytic and innate immune systems. *Science Immunology* 2017-09-22 [PMID: 28939652] (WB, Mouse)

Zhong Y, Zhang Y, Xu J et al. Low-Intensity Focused Ultrasound-Responsive Phase-Transitional Nanoparticles for Thrombolysis without Vascular Damage: A Synergistic Nonpharmaceutical Strategy *ACS Nano* 2019-03-26 [PMID: 30855938] (IF/IHC, Rat)

Gerenu G, Martisova E, Ferrero H et al. Modulation of BDNF cleavage by plasminogen-activator inhibitor-1 contributes to Alzheimer's neuropathology and cognitive deficits *Biochim. Biophys. Acta* 2017-01-26 [PMID: 28132883] (ELISA, Mouse)



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-20648**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-59553-50ug	Recombinant Human t-Plasminogen Activator/tPA His Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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