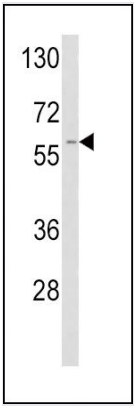
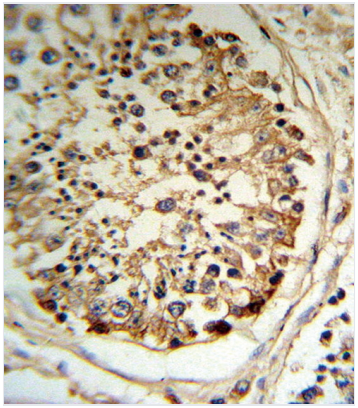
TPA Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

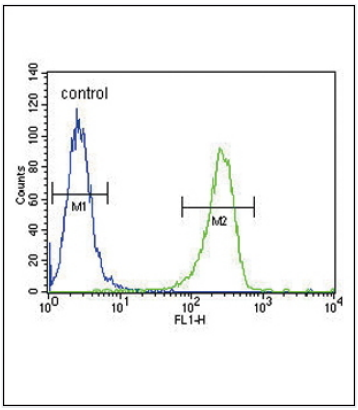
Product Name	TPA, Polyclonal Antibody
Full Product Name	TPA, ID (Tissue-type Plasminogen Activator, t-plasminogen Activator, t-PA, tPA, INN=Alteplase, INN=Reteplase, Tissue-type Plasminogen Activator Chain A, Tissue-type Plasminogen Activator Chain B, PLAT) (PE)
Product Gene Name	anti-TPA antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Ammonium Sulfate Precipitation.
Specificity	Recognizes human TPA.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	61.3kDa (545aa) 50-70kDa (SDS-PAGE under reducing conditions.)
OMIM	173370
3D Structure	ModBase 3D Structure for P00750
Immunogen	Synthetic peptide selected from the center region of human TPA (KLH).
Conjugate	PE
Note	Preservative Free
Product Categories/Family for anti-TPA antibody	Antibodies; Coagulation Factors
Applications Tested/Suitable for anti-TPA antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-TPA antibody	WB: 1:50-1:100 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-TPA antibody	MBS6502750 is an antibody targeting TPA. Also known as TPA, ID (Tissue-type Plasminogen Activator, t-plasminogen Activator, t-PA, tPA, INN=Alteplase, INN=Reteplase, Tissue-type Plasminogen Activator Chain A, Tissue-type Plasminogen Activator Chain B, PLAT) (PE). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-TPA antibody	1. de Vos, A.M., et.al., Biochemistry 31(1), 270-279 (1992). 2. Bentov, Y., et.al., PLoS ONE 4(6), E5918 (2009).
Other Notes	Small volumes of anti-TPA antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-TPA antibody
Western blot analysis of TPA Antibody (Center) in A2058 cell line lysates (35ug/lane). TPA (arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-TPA antibody
TPA Antibody (Center) (RB18787) IHC analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the TPA Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



Flow Cytometry (FC/FACS) of anti-TPA antibody
TPA Antibody (Center)? flow cytometric analysis of A2058 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TPA. It may not necessarily be applicable to this product.

NCBI GI #	4505861
NCBI GeneID	5327
NCBI Accession #	NP_000921
UniProt Primary Accession #	P00750
UniProt Secondary Accession #	Q15103; Q503B0; Q6PJA5; Q7Z7N2; Q86YK8; Q9BU99; Q9BZW1; A8K022; B2R8E8
UniProt Related Accession #	P00750
GenBank Nucleotide #	NM_000930.4
NCBI Official Full Name	tissue-type plasminogen activator isoform 1 preproprotein
NCBI Official Synonym Full Names	plasminogen activator, tissue type
NCBI Official Symbol	PLAT
NCBI Official Synonym Symbols	TPA; T-PA
UniProt Protein Name	Tissue-type plasminogen activator
Protein Family	Taurine--pyruvate aminotransferase

UniProt Gene Name	PLAT
UniProt Synonym Gene Names	t-PA; t-plasminogen activator; tPA
UniProt Entry Name	TPA_HUMAN
NCBI Protein Information	tissue-type plasminogen activator
NCBI Summary for TPA	This gene encodes tissue-type plasminogen activator, a secreted serine protease that converts the proenzyme plasminogen to plasmin, a fibrinolytic enzyme. The encoded preproprotein is proteolytically processed by plasmin or trypsin to generate heavy and light chains. These chains associate via disulfide linkages to form the heterodimeric enzyme. This enzyme plays a role in cell migration and tissue remodeling. Increased enzymatic activity causes hyperfibrinolysis, which manifests as excessive bleeding, while decreased activity leads to hypofibrinolysis, which can result in thrombosis or embolism. Alternative splicing of this gene results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by RefSeq, Jan 2016]
Research Articles on TPA	**1.** By mediating the tPA response in macrophages, the NMDA-R provides a pathway by which the fibrinolysis system may regulate innate immunity.
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