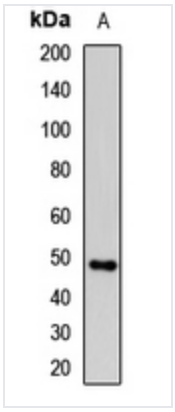
uPA Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	uPA, Polyclonal Antibody
Full Product Name	Anti-uPA Antibody
Product Gene Name	anti-uPA antibody
Product Synonym Gene Name	PLAU
Product Synonym Names	Urokinase-type plasminogen activator; U-plasminogen activator; uPA
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	Purified by immunogen affinity chromatography
Specificity	Recognizes endogenous levels of uPA protein.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	46,908 Da
OMIM	M15476 mRNA
3D Structure	ModBase 3D Structure for P00749
Immunogen	Recombinant full length protein of human uPA
Applications Tested/Suitable for anti-uPA antibody	Western Blot (WB)
Application Notes for anti-uPA antibody	WB: 1/500 - 1/2000
Related Product Information for anti-uPA antibody	MBS8291924 is an antibody targeting uPA. Reactive in Human, Mouse, Rat. Host: Rabbit. Rabbit polyclonal antibody to uPA
Other Notes	Small volumes of anti-uPA 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-uPA antibody
Western blot analysis of uPA expression in Hela (A) whole cell lysates.

ADDITIONAL DETAILS

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

NCBI GI #	222537759
NCBI GeneID	5328
NCBI Accession #	NP_001138503.1
UniProt Primary Accession #	P00749
UniProt Secondary Accession #	Q15844; Q16618; Q53XS3; Q5SWW9; Q969W6; B4DPZ2
UniProt Related Accession #	P00749
GenBank Nucleotide #	NM_001145031.2
NCBI Official Full Name	urokinase-type plasminogen activator isoform 2
NCBI Official Synonym Full Names	plasminogen activator, urokinase
NCBI Official Symbol	PLAU
NCBI Official Synonym Symbols	ATF; QPD; UPA; URK; u-PA; BDPLT5
UniProt Protein Name	Urokinase-type plasminogen activator
Protein Family	Urokinase-type plasminogen activator
UniProt Gene Name	PLAU
UniProt Synonym Gene Names	U-plasminogen activator; uPA
NCBI Protein Information	urokinase-type plasminogen activator
NCBI Summary for uPA	This gene encodes a secreted serine protease that converts plasminogen to plasmin. The encoded preproprotein is proteolytically processed to generate A and B polypeptide chains. These chains associate via a single disulfide bond to form the catalytically inactive high molecular weight urokinase-type plasminogen activator (HMW-uPA). HMW-uPA can be further processed into the catalytically active low molecular weight urokinase-type plasminogen activator (LMW-uPA). This low molecular weight form does not bind to the urokinase-type plasminogen activator receptor. Mutations in this gene may be associated with Quebec platelet disorder and late-onset Alzheimer's disease. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by RefSeq, Jan 2016]
UniProt Comments for uPA	Specifically cleaves the zymogen plasminogen to form the active enzyme plasmin.
Research Articles on uPA	**1.** the optimal discrimination cut-off for each cytokine: sVEGFR-1 (2124.5pg/mL), IL-6 (40.2pg/mL), VEGF-A (1060.1pg/mL), Angiopoeintin-2 (913.7pg/mL), uPA (248.1pg/mL), sHER-2/neu (5010pg/mL) and PLGF (93.4pg/mL). For the very first time, a novel cytokine profile associated with cancer metastasis to the paratracheal lymph nodes were reported.

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