uPA Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	uPA, Polyclonal Antibody
Full Product Name	uPA Polyclonal Antibody
Product Gene Name	anti-uPA antibody
Clonality	Polyclonal
Molecular Weight	46,908 Da
OMIM	191840
3D Structure	ModBase 3D Structure for P00749
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-uPA antibody	MBS8525804 is an antibody targeting uPA. Also known as uPA Polyclonal Antibody.
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.

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.** Increased expression of uPA in epidermal cells in psoriasis and in tumor cells in basal cell carcinomas suggests an important role of the uPA system for aggressively proliferating and invading cells of epidermal origin.
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