

uPA Polyclonal Antibody

Catalog No :	YT4823
Reactivity :	Human;Rat;Mouse;
Applications :	IHC;IF;ELISA
Target :	uPA
Fields :	>>NF-kappa B signaling pathway;>>Complement and coagulation cascades;>>Transcriptional misregulation in cancer;>>Proteoglycans in cancer;>>MicroRNAs in cancer;>>Prostate cancer
Gene Name :	PLAU
Protein Name :	Urokinase-type plasminogen activator
Human Gene Id :	5328
Human Swiss Prot No :	P00749
Mouse Swiss Prot No :	P06869
Immunogen :	The antiserum was produced against synthesized peptide derived from human uPA. AA range:190-239
Specificity :	uPA Polyclonal Antibody detects endogenous levels of uPA protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 49kD

Cell Pathway : Complement and coagulation cascades;

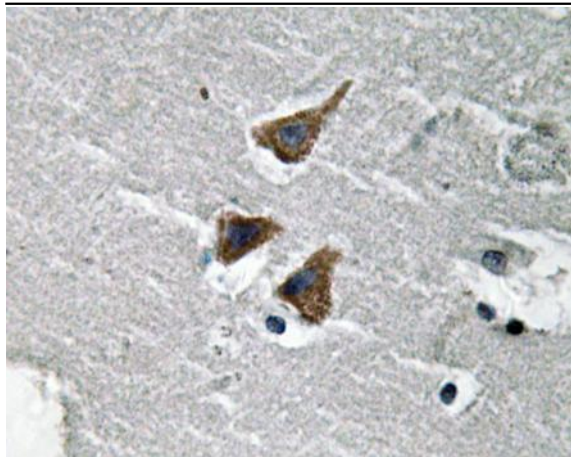
Background : This gene encodes a secreted serine protease that converts plasminogen to plasmin. The encoded preproprotein is proteolytically processed to generate A and B polypeptide chains. These chains associate via a single disulfide bond to form the catalytically inactive high molecular weight urokinase-type 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],

Function : catalytic activity:Specific cleavage of Arg-|-Val bond in plasminogen to form plasmin.,function:Specifically cleave the zymogen plasminogen to form the active enzyme plasmin.,online information:Urokinase entry,pharmaceutical:Available under the name Abbokinase (Abbott). Used in Pulmonary Embolism (PE) to initiates fibrinolysis. Clinically used for therapy of thrombolytic disorders.,PTM:Phosphorylation of Ser-158 and Ser-323 abolishes proadhesive ability but does not interfere with receptor binding.,similarity:Belongs to the peptidase S1 family.,similarity:Contains 1 EGF-like domain.,similarity:Contains 1 kringle domain.,similarity:Contains 1 peptidase S1 domain.,subunit:Found in high and low molecular mass forms. Each consists of two chains, A and B. The high molecular mass form contains a long chain A which is cleaved to yield a short chain A. Binds LRP1B; binding is followed by interna

Subcellular Location : Secreted .

Expression : Expressed in the prostate gland and prostate cancers.

Products Images



Immunohistochemistry analysis of uPA antibody in paraffin-embedded human brain tissue.