uPA Rabbit mAb

Catalog No	YP-rAb-18563
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB、IHC、IF、ELISA
Gene Name	PLAU
Immunogen	The specific immunogen used to produce this antibody is proprietary information.
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Purification	Recombinant Antibody expressed in animal component-free (ACF) media, purified via Protein A affinity chromatography.
Dilution	IHC 1:200-1:1000; WB 1:500-1:2000; IF 1:200-1:1000; ELISA 1:5000-1:20000 Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0 (Cat#YS0004)
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15°C to -25°C/1 year(Do not lower than -25°C)
Synonyms	PLAU;Urokinase-type plasminogen activator;PLAU ; Urokinase-type plasminogen activator ; U-plasminogen activator ; uPA
Observed Band	54 kDa
Calculated Molecular Weight	49kD
Cell Pathway	Secreted .
Tissue Specificity	Expressed in the prostate gland and prostate cancers.
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 internalization and degradation. Interacts with MRC2. Interacts with PLAUR. ,tissue specificity:Expressed in the prostate gland and prostate cancers. ,

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] ,
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images