

**Urokinase (PLAU) Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP8161a****Specification**

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**Urokinase (PLAU) Antibody (N-term) - Product Information**

Application	WB, IHC-P, FC,E
Primary Accession	<a href="#">P00749</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	60-90

**Urokinase (PLAU) Antibody (N-term) - Additional Information****Gene ID** 5328**Other Names**

Urokinase-type plasminogen activator, U-plasminogen activator, uPA, Urokinase-type plasminogen activator long chain A, Urokinase-type plasminogen activator short chain A, Urokinase-type plasminogen activator chain B, PLAU

**Target/Specificity**

This Urokinase (PLAU) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 60-90 amino acids from the N-terminal region of human Urokinase (PLAU).

**Dilution**

WB~~1:1000  
IHC-P~~1:10~50  
FC~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Urokinase (PLAU) Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**Urokinase (PLAU) Antibody (N-term) - Protein Information****Name** PLAU ([HGNC:9052](#))

**Function** Specifically cleaves the zymogen plasminogen to form the active enzyme plasmin.

**Cellular Location**  
Secreted.

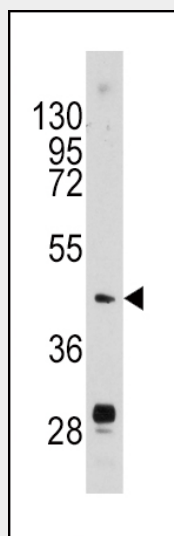
**Tissue Location**  
Expressed in the prostate gland and prostate cancers.

### Urokinase (PLAU) Antibody (N-term) - Protocols

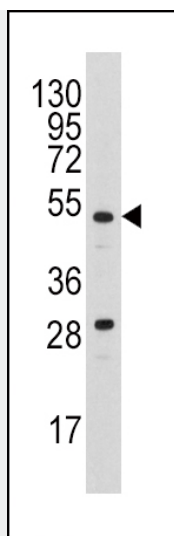
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

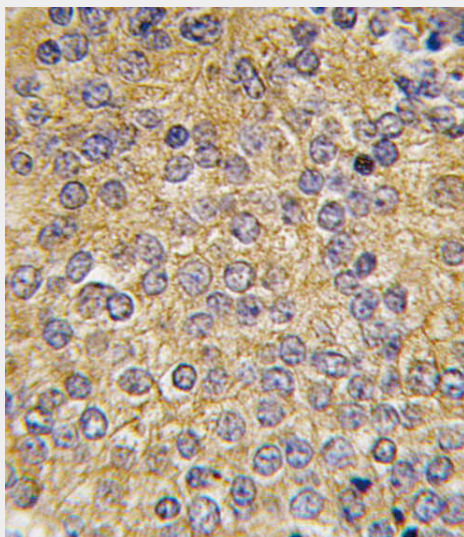
### Urokinase (PLAU) Antibody (N-term) - Images



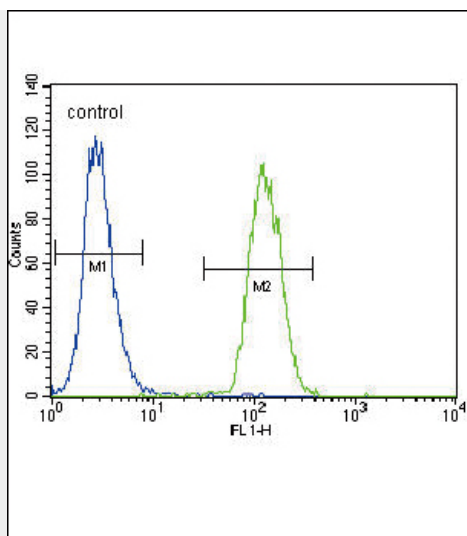
Western blot analysis of anti-PLAU Antibody (N-term) (Cat.#AP8161a) in mouse brain tissue lysates (35ug/lane). PLAU (arrow) was detected using the purified Pab.



Western blot analysis of anti-PLAU Antibody (N-term) (Cat.#AP8161a) in A2058 cell line lysates (35ug/lane). PLAU (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human prostate carcinoma tissue reacted with PLAU antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Urokinase (PLAU) Antibody (N-term) (Cat. #AP8161a) 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.

### Urokinase (PLAU) Antibody (N-term) - Background

PLAU, a member of the peptidase family S1, is a potent plasminogen activator and is clinically used for therapy of thrombolytic disorders. PLAU specifically cleaves the Arg-I-Val bond in plasminogen to form plasmin. The protein is 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. Cleavage occurs after residue 155 in the low molecular mass form to yield a short A1 chain. The protein is used in Pulmonary Embolism (PE) to initiate fibrinolysis. Structurally, PLAU contains 1 EGF-like domain and 1 kringle domain.

### Urokinase (PLAU) Antibody (N-term) - References

Strausberg, R.L., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002). Sperl, S., et al., Proc. Natl. Acad. Sci. U.S.A. 97(10):5113-5118 (2000). Turkmen, B., et al., Electrophoresis 18(5):686-689 (1997). Conne, B., et al., Thromb. Haemost. 77(3):434-435 (1997). Yoshimoto, M., et al., Biochim. Biophys. Acta 1293(1):83-89 (1996).

### Urokinase (PLAU) Antibody (N-term) - Citations

- [Suppression of tumor growth in H-ras12V liver cancer mice by delivery of programmed cell death protein 4 using galactosylated poly\(ethylene glycol\)-chitosan-graft-spermine.](#)
- [In vivo suppression of vein graft disease by nonviral, electroporation-mediated, gene transfer of tissue inhibitor of metalloproteinase-1 linked to the amino terminal fragment of urokinase \(TIMP-1.ATF\), a cell-surface directed matrix metalloproteinase inhibitor.](#)
- [A gene expression signature that distinguishes desmoid tumours from nodular fasciitis.](#)