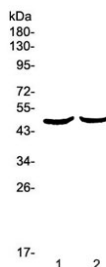


## PLAU Antibody / Urokinase (RQ4217)

Catalog No.	Formulation	Size
RQ4217	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Mouse, Rat
<b>Predicted Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	P00749
<b>Applications</b>	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This PLAU antibody is available for research use only.



Western blot testing of 1) rat pancreas and 2) mouse pancreas lysate with PLAU antibody at 0.5ug/ml. Predicted molecular weight ~48 kDa.

## Description

Urokinase, also known as urokinase-type plasminogen activator (uPA), is a serine protease present in humans and other animals. 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.

## Application Notes

Optimal dilution of the PLAU antibody should be determined by the researcher.

## Immunogen

A recombinant human protein corresponding to amino acids I179-L431 was used as the immunogen for the PLAU antibody.

## Storage

After reconstitution, the PLAU antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.