

For Research Use Only

# uPA/Urokinase Recombinant monoclonal antibody

Catalog Number:87458-1-RR



## Basic Information

Catalog Number:

87458-1-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG7083

GenBank Accession Number:

NM\_002658.6

GeneID (NCBI):

5328

UNIPROT ID:

P00749-1

Full Name:

plasminogen activator, urokinase

Calculated MW:

49kDa

Observed MW:

49 kDa

Purification Method:

Protein A purification

CloneNo.:

252624A5

Recommended Dilutions:

WB: 1:5000-1:50000

IF/ICC: 1:200-1:800

## Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : PC-3 cells, DU 145 cells

IF/ICC : PC-3 cells,

## Background Information

PLAU(Urokinase-type plasminogen activator) is also named as uPA and belongs to the peptidase S1 family.UPA initiates a proteolytic cascade, which degrades extracellular matrix during tissue growth and remodelling.The secreted proform of UPA is activated after binding to a specific high affinity cell surface receptor. Secreted UPA is exposed to rapid inactivation in the pericellular space by plasminogen activator inhibitor-1 (PAI-1), which is stored in the extracellular matrix bound to vitronectin(PMID:9665342).It has 2 isoforms produced by alternative splicing. Defects in PLAU are the cause of Quebec platelet disorder (QPD).

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

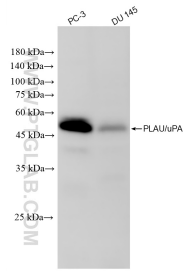
T: 4006900926

E: Proteintech-CN@ptglab.com

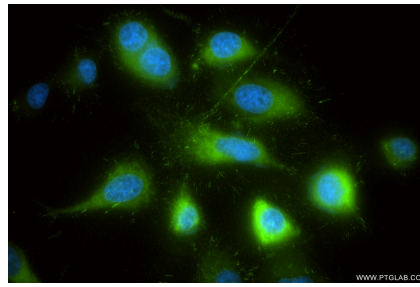
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

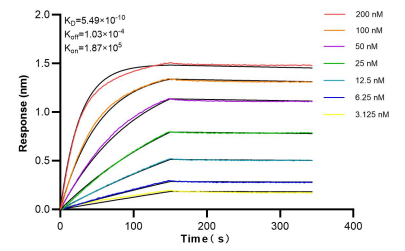
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87458-1-RR (PLAU/uPA antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed PC-3 cells using uPA/Urokinase antibody (87458-1-RR, Clone: 252624A5) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 87458-1-RR against Human uPA/Urokinase were performed. The affinity constant is 0.549 nM.