

For Research Use Only

uPA/Urokinase Recombinant monoclonal antibody

Catalog Number:87458-1-RR



Basic Information

Catalog Number: 87458-1-RR	GenBank Accession Number: NM_002658.6	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5328	CloneNo.: 252624A5
Source: Rabbit	UNIPROT ID: P00749-1	Recommended Dilutions: WB: 1:5000-1:50000 IF/ICC: 1:200-1:800
Isotype: IgG	Full Name: plasminogen activator, urokinase	
Immunogen Catalog Number: EG7083	Calculated MW: 49kDa	
	Observed MW: 49 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : PC-3 cells, DU 145 cells
Species Specificity: human	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

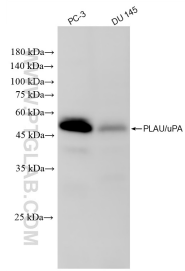
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

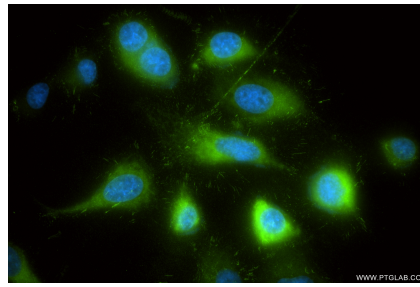
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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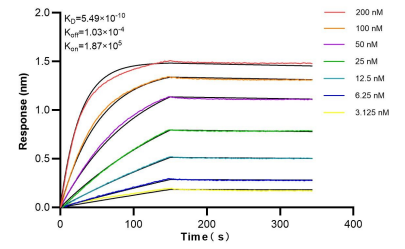
Selected Validation Data



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.