

For Research Use Only

uPA/Urokinase Recombinant monoclonal antibody, PBS Only

Catalog Number:87458-1-PBS



Basic Information

Catalog Number: 87458-1-PBS	GenBank Accession Number: NM_002658.6	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 5328	CloneNo.: 252624A5
Source: Rabbit	UNIPROT ID: P00749-1	
Isotype: IgG	Full Name: plasminogen activator, urokinase	
Immunogen Catalog Number: EG7083	Calculated MW: 49kDa	
	Observed MW: 49 kDa	

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human

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 -80°C.

Storage Buffer:
PBS only, pH7.3

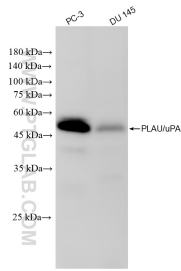
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

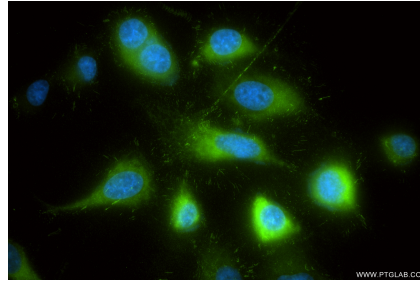
E: proteintech@ptglab.com
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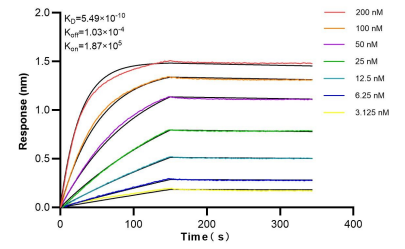
Selected Validation Data



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. This data was developed using the same antibody clone with 87458-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 87458-1-PBS in a different storage buffer formulation.



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