

For Research Use Only

# uPAR Polyclonal antibody

Catalog Number: 10286-1-AP **18 Publications**



## Basic Information

<b>Catalog Number:</b> 10286-1-AP	<b>GenBank Accession Number:</b> BC002788	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 500 µg/ml	<b>GeneID (NCBI):</b> 5329	<b>Recommended Dilutions:</b> WB 1:1000-1:8000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q03405	
<b>Isotype:</b> IgG	<b>Full Name:</b> PLAUR	
<b>Immunogen Catalog Number:</b> AG0187	<b>Calculated MW:</b> 37 kDa	
	<b>Observed MW:</b> 35-70 kDa	

## Applications

<b>Tested Applications:</b> FC, WB, ELISA	<b>Positive Controls:</b> WB : RAW 264.7 cells, A2780 cells, U-251 cells, U-937 cells
<b>Cited Applications:</b> CoIP, IF, IHC, WB	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> human, mouse, bovine	

## Background Information

uPAR is a 45-65 kDa, highly glycosylated, GPI-anchored membrane protein. In addition to the membrane-anchored form, uPAR is released from the plasma membrane by cleavage of the GPI anchor and can be found as a soluble form (suPAR). uPAR contains three homologous domains (D1-D3) of which the N-terminal one (D1) represents the uPA-binding domain. After binding to uPAR, uPA cleaves plasminogen, generating the active protease plasmin which is involved in a wide variety of physiologic and pathologic processes. In addition to regulating proteolysis, uPAR has important function in cell adhesion, migration and proliferation. Studies reveal that uPAR expression is elevated during inflammation and tissue remodelling and in many human cancers, in which it frequently indicates poor prognosis. (PMID 20027185; 12461559)

## Notable Publications

Author	Pubmed ID	Journal	Application
Mulin Liu	34552345	J Inflamm Res	IHC
Jun-Ming Huang	30245631	Front Pharmacol	IF
Min Liu	28871079	Nat Commun	WB

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

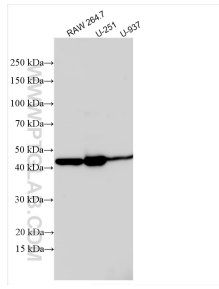
T: 4006900926

E: Proteintech-CN@ptglab.com

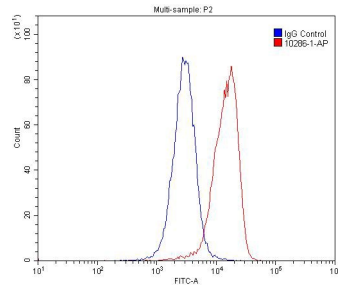
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10286-1-AP (uPAR antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



$1 \times 10^6$  U-937 cells were stained with 0.2ug uPAR antibody (10286-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.