

For Research Use Only

# uPAR Polyclonal antibody

Catalog Number: 10286-1-AP **9 Publications**



## Basic Information

**Catalog Number:**

10286-1-AP

**Size:**

150ul , Concentration: 400 µg/ml by Nanodrop and 273 µg/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG0187

**GenBank Accession Number:**

BC002788

**GeneID (NCBI):**

5329

**Full Name:**

PLAUR

**Calculated MW:**

37 kDa

**Observed MW:**

35-70 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB

## Applications

**Tested Applications:**

FC, IP, WB, ELISA

**Cited Applications:**

IF, IHC, WB

**Species Specificity:**

human, mouse

**Cited Species:**

human, mouse

**Positive Controls:**

WB : RAW 264.7 cells, A2780 cells

IP : RAW 264.7 cells,

## 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

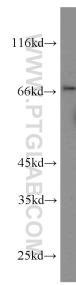
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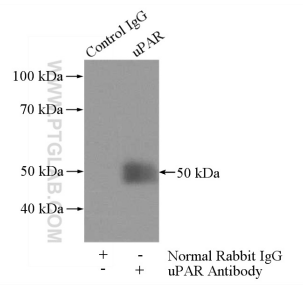
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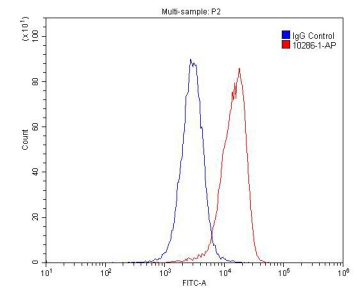
## Selected Validation Data



RAW264.7 cells were subjected to SDS PAGE followed by western blot with 10286-1-AP (uPAR antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP Result of anti-uPAR, PLAUR (IP:10286-1-AP, 4ug; Detection:10286-1-AP 1:300) with RAW 264.7 cells lysate 4000ug.



1X10<sup>6</sup> 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.