For Research Use Only

# uPAR/CD87 Monoclonal antibody, PBS Only

Catalog Number:68727-1-PBS

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## Basic Information

Catalog Number:
68727-1-PBS

Size:
1 mg/ml

Source:
Mouse

Isotype:
IgG2b

Immunogen Catalog Number:
AG28056

GenBank Accession Number:
BC002788

GeneID (NCBI):
5329

UNIPROT ID:
Q03405

Full Name:
PLAUR

Calculated MW:
37 kDa

Observed MW:
35-50 kDa

Purification Method:
Protein A purification

CloneNo.:
2A3E8

## Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
human

## Background Information

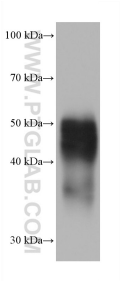
uPAR is a highly glycosylated, GPI-anchored membrane protein. In addition to the membrane-anchored form, uPAR is released from the plasma membrane by cleavage of the GPI anchor and can be found as a soluble form (suPAR). uPAR contains three homologous domains (D1-D3) of which the N-terminal one (D1) 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 remodeling and in many human cancers, in which it frequently indicates poor prognosis. (PMID 20027185; 12461559)

## Storage

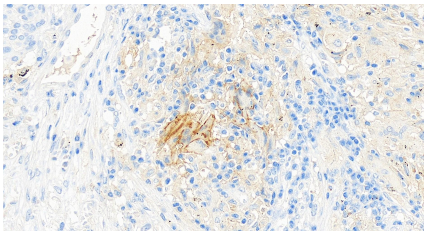
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

## Selected Validation Data




U2OS cells were subjected to SDS PAGE followed by western blot with 68727-1-Ig (uPAR/CD87 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68727-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human lung squamous cell cancer slide using 68727-1-Ig (uPAR/CD87 antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68727-1-PBS in a different storage buffer formulation.