

uPAR/CD87 Monoclonal antibody

Catalog Number: 68727-1-Ig

Basic Information

Catalog Number: 68727-1-Ig	GenBank Accession Number: BC002788	Purification Method: Protein A purification
Size: 1000 ug/ml	GeneID (NCBI): 5329	CloneNo.: 2A3E8
Source: Mouse	UNIPROT ID: Q03405	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:250-1:1000
Isotype: IgG2b	Full Name: PLAUR	
Immunogen Catalog Number: AG28056	Calculated MW: 37 kDa Observed MW: 35-50 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human	WB : U2OS cells, U-251 cells, A549 cells IHC : human lung squamous cell cancer,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

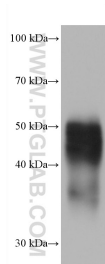
Background Information

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)

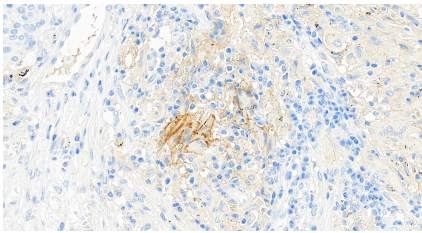
Storage

Storage:
Store at -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

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.



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).