

uPAR/CD87 Recombinant monoclonal antibody

Catalog Number: 82953-2-RR

Basic Information

Catalog Number:

82953-2-RR

Source:

Rabbit

Isotype:

IgG

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.:

230148B10

Recommended Dilutions:

WB: 1:20000-1:100000

IHC: 1:500-1:2000

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse

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

Positive Controls:

WB : HeLa cells, U-251 cells, U-937 cells

IHC : human intrahepatic cholangiocarcinoma tissue, human lung cancer tissue, mouse spleen tissue

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:

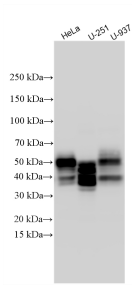
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

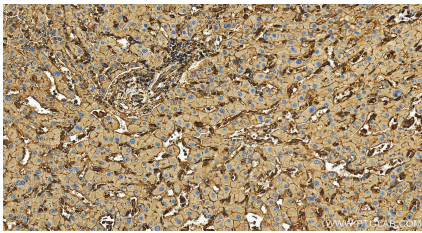
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

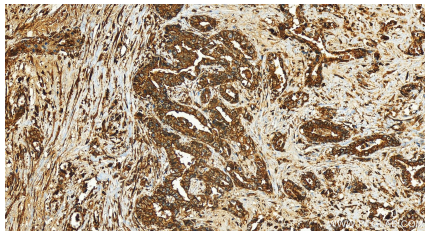
Selected Validation Data



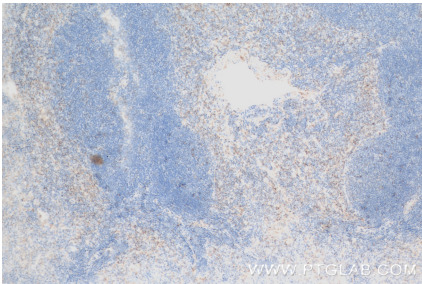
Various lysates were subjected to SDS PAGE followed by western blot with 82953-2-RR (uPAR/CD87 antibody) at dilution of 1:60000 incubated at room temperature for 1.5 hours.



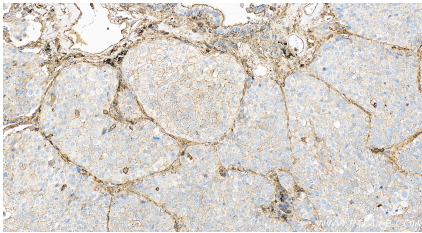
Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 82953-2-RR (uPAR/CD87 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



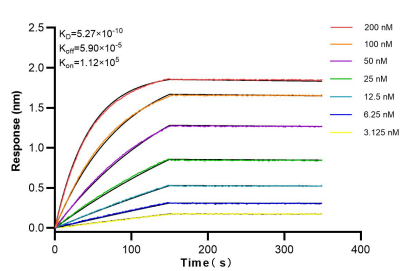
Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 82953-2-RR (uPAR/CD87 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 82953-2-RR (uPAR/CD87 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 82953-2-RR (uPAR/CD87 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 82953-2-RR against Human uPAR, PLAUR were performed. The affinity constant is 0.527 nM.