

For Research Use Only

uPAR/CD87 Recombinant antibody, PBS Only (Capture/Detector)

Catalog Number: 82953-2-PBS



Basic Information

Catalog Number: 82953-2-PBS	GenBank Accession Number: BC002788	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 5329	CloneNo.: 230148B10
Source: Rabbit	UNIPROT ID: Q03405	
Isotype: IgG	Full Name: PLAUR	
Immunogen Catalog Number: AG28056	Calculated MW: 37 kDa	
	Observed MW: 35-50 kDa	

Applications

Tested Applications:
WB, IHC, Cytometric bead array, Sandwich ELISA, Indirect ELISA

Species Specificity:
human, mouse

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:
100% PBS pH 7.3

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

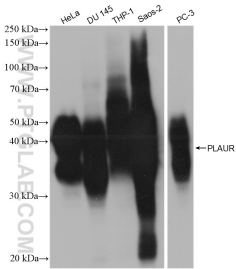
T: 4006900926

E: Proteintech-CN@ptglab.com

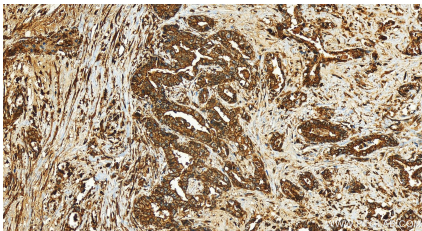
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

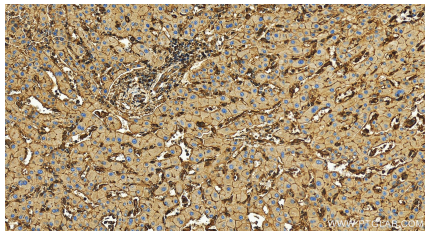
Selected Validation Data



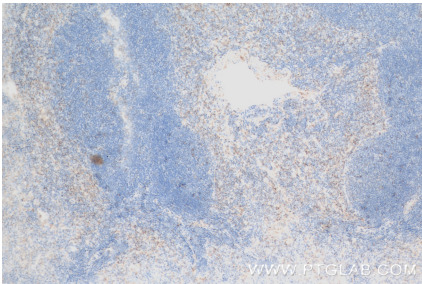
Various lysates were subjected to SDS PAGE followed by western blot with 82953-2-RR (uPAR/CD87 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82953-2-PBS in a different storage buffer formulation.



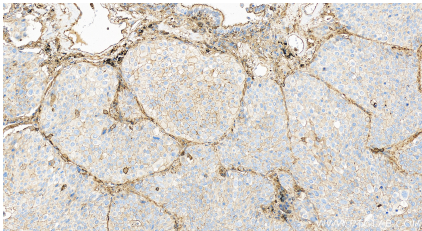
Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 82953-2-RR (uPAR/CD87 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82953-2-PBS in a different storage buffer formulation.



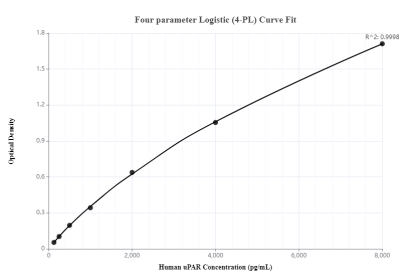
Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 82953-2-RR (uPAR/CD87 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82953-2-PBS in a different storage buffer formulation.



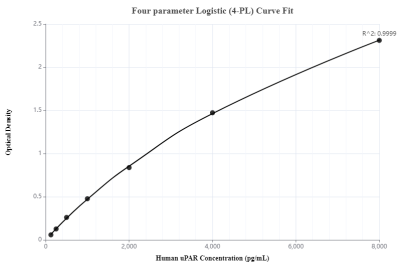
Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 82953-2-RR (uPAR/CD87 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82953-2-PBS in a different storage buffer formulation.



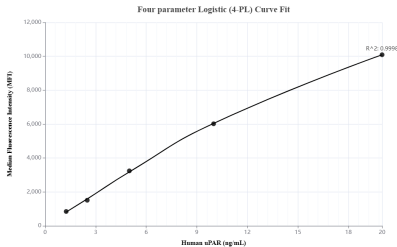
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 82953-2-RR (uPAR/CD87 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82953-2-PBS in a different storage buffer formulation.



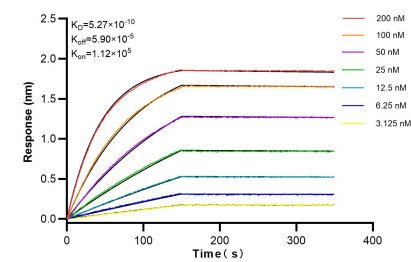
Sandwich ELISA standard curve of MP00129-1, uPAR/CD87 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 82953-2-PBS. Detection antibody: 82953-3-PBS. Standard: Ag28056. Range: 125-8000 pg/mL.



Sandwich ELISA standard curve of MP00129-2, uPAR/CD87 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 82953-4-PBS. Detection antibody: 82953-2-PBS. Standard: Ag28056. Range: 125-8000 pg/mL.



Cytometric bead array standard curve of MP00129-2, uPAR/CD87 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 82953-4-PBS. Detection antibody: 82953-2-PBS. Standard: Ag28056. Range: 1.25-20 ng/mL.



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