

For Research Use Only

uPAR/CD87 Recombinant antibody, PBS Only

Catalog Number: 82953-1-PBS



Basic Information

Catalog Number: 82953-1-PBS	GenBank Accession Number: BC002788	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 5329	CloneNo.: 230148A1
Source: Rabbit	UNIPROT ID: Q03405	
Isotype: IgG	Full Name: PLAUR	
Immunogen Catalog Number: AG28056	Calculated MW: 37 kDa	

Applications

Tested Applications:
IHC, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse

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 remodeling and in many human cancers, in which it frequently indicates poor prognosis. (PMID 20027185; 12461559)

Storage

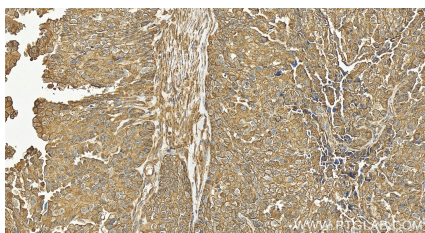
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

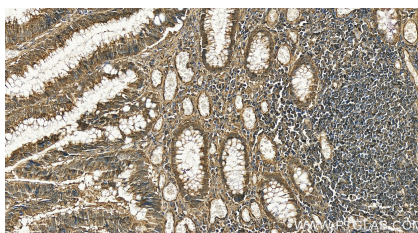
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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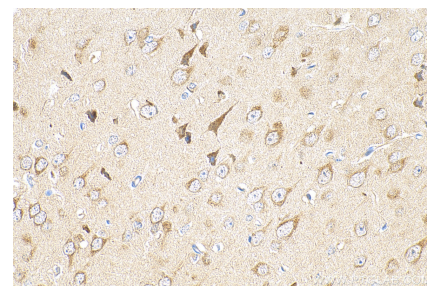
Selected Validation Data



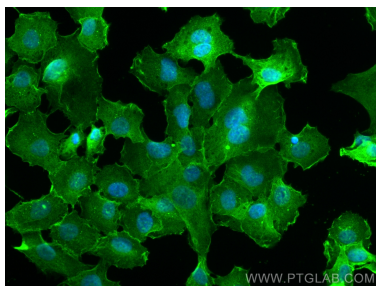
Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 82953-1-RR (uPAR/CD87 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82953-1-PBS in a different storage buffer formulation.



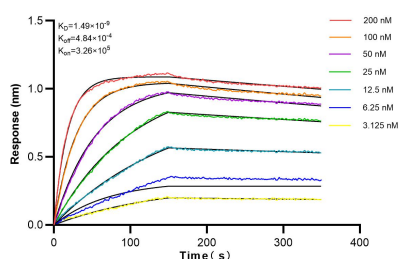
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 82953-1-RR (uPAR/CD87 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82953-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 82953-1-RR (uPAR/CD87 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82953-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HT-1080 cells using uPAR/CD87 antibody (82953-1-RR, Clone: 230148A1) at dilution of 1:400 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). This data was developed using the same antibody clone with 82953-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 82953-1-RR against Human uPAR, PLAUR were performed. The affinity constant is 1.49 nM.