

For Research Use Only

uPAR/CD87 Recombinant antibody

Catalog Number: 82953-1-RR



Basic Information

Catalog Number: 82953-1-RR	GenBank Accession Number: BC002788	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 5329	CloneNo.: 230148A1
Source: Rabbit	UNIPROT ID: Q03405	Recommended Dilutions: IHC 1:200-1:800 IF/ICC 1:200-1:800
Isotype: IgG	Full Name: PLAUR	
Immunogen Catalog Number: AG28056	Calculated MW: 37 kDa	

Applications

Tested Applications: IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse	IHC : human ovary cancer tissue, human colon cancer tissue, mouse brain tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IF/ICC : HT-1080 cells,

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

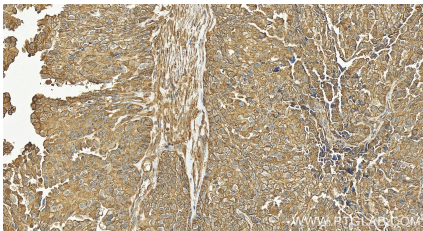
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

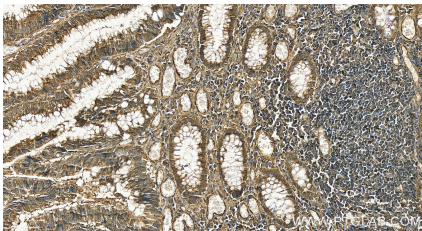
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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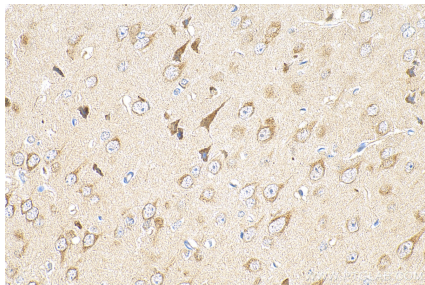
Selected Validation Data



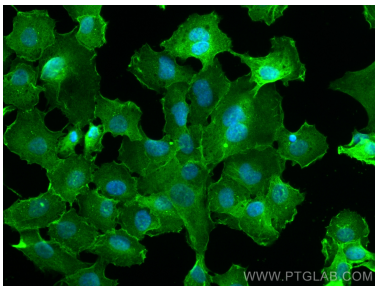
Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 82953-1-RR (uPAR/CD87 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



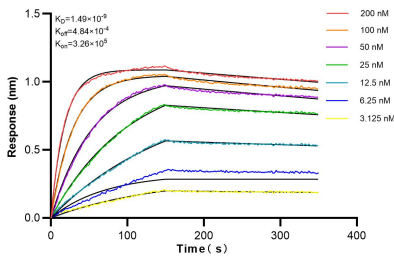
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 82953-1-RR (uPAR/CD87 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



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).



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