

For Research Use Only

CD71 Monoclonal antibody

Catalog Number: 65236-1-Ig **4 Publications**



Basic Information

Catalog Number: 65236-1-Ig	GenBank Accession Number: BC001188	Purification Method: Affinity purification
Concentration: 1.47 mg/ml	GeneID (NCBI): 7037	CloneNo.: H68.4
Source: Mouse	ENSEMBL Gene ID: ENSG00000072274	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:200-1:800
Isotype: IgG1, kappa	UNIPROT ID: P02786	
	Full Name: transferrin receptor (p90, CD71)	
	Calculated MW: 85 kDa	
	Observed MW: 90 kDa	

Applications

Tested Applications: WB, IHC	Positive Controls:
Cited Applications: WB, IHC	WB : PC-3 cells, RAW 264.7 cells, HeLa cells, K-562 cells
Species Specificity: human, mouse	IHC : human placenta tissue,
Cited Species: mouse, rat	
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

CD71, also known as transferrin receptor protein 1 (TfR1), is a transmembrane glycoprotein composed of two disulfide-linked monomers, each of 90 kDa molecular weight. Each monomer binds one holo-transferrin molecule creating an iron-Tf-TfR complex which enters the cell by endocytosis. CD71 is present on actively proliferating cells and is essential for iron transport into proliferating cells.

Notable Publications

Author	Pubmed ID	Journal	Application
Bo Peng	39578773	Mol Med	IHC
Meizi Tian	39510426	J Ethnopharmacol	WB
Zhe Su	39437484	Int Immunopharmacol	WB

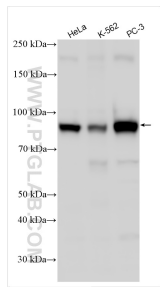
Storage

Storage:
Store at 2-8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

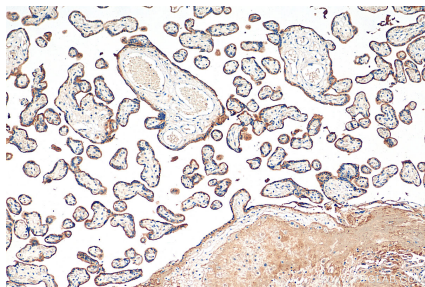
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

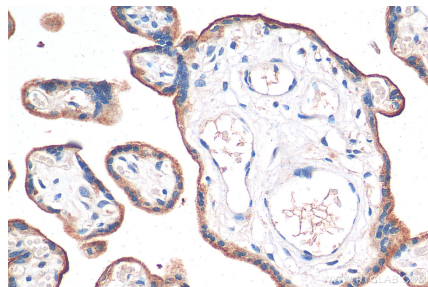
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 65236-1-Ig (CD71 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 65236-1-Ig (CD71 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 65236-1-Ig (CD71 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).