

For Research Use Only

CD71 Monoclonal antibody

Catalog Number: 65236-1-Ig



Basic Information

Catalog Number: 65236-1-Ig	GenBank Accession Number: BC001188	Purification Method: Affinity purification
Size: 150ul , 1470 µg/ml	GeneID (NCBI): 7037	CloneNo.: H68.4
Source: Mouse	Full Name: transferrin receptor (p90, CD71)	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:200-1:800
Isotype: IgG1, kappa	Calculated MW: 85 kDa	
	Observed MW: 90 kDa	

Applications

Tested Applications:
IHC, WB

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 : PC-3 cells, RAW 264.7 cells, HeLa cells, K-562 cells

IHC : human placenta tissue,

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.

Storage

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

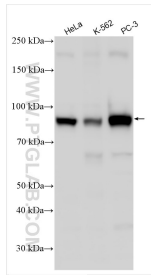
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

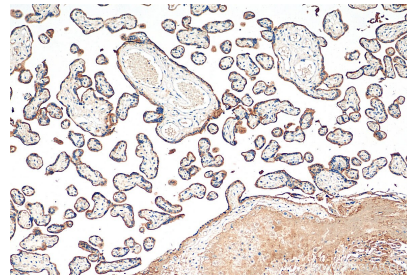
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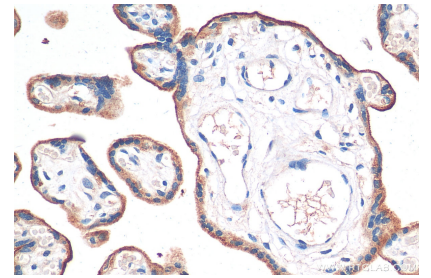
Selected Validation Data



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).