

## Transferrin receptor/CD71 Polyclonal Antibody

Catalog number: 10084-2-AP

Size: 28 µg/150 µl

Source: Rabbit

Isotype: IgG

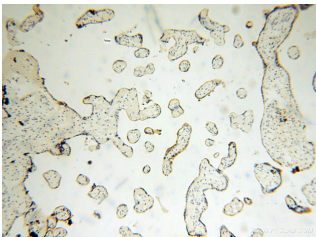
Synonyms:

TFRC; CD71, p90, sTfR, T9, TFR,

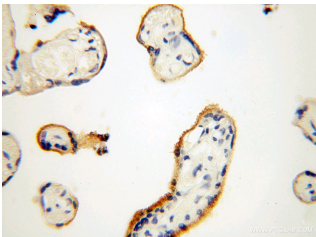
TFR1, TFRC, TR, Transferrin

receptor, Transferrin receptor

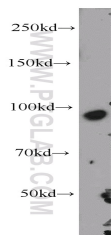
protein 1, TRFR



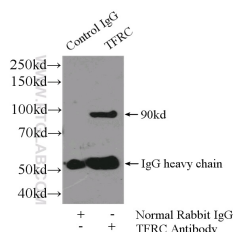
Immunohistochemical of paraffin-embedded human placenta using 10084-2-AP (CD71 antibody) at dilution of 1:100 (under 10x lens)



Immunohistochemical of paraffin-embedded human placenta using 10084-2-AP (CD71 antibody) at dilution of 1:100 (under 40x lens)



MCF7 cells were subjected to SDS PAGE followed by western blot with 10084-2-AP (CD71 antibody) at dilution of 1:1000



IP Result of anti-CD71

### Background

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.

### Applications

Tested applications:	ELISA, WB, IHC, IP
Cited applications:	IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mouse, rat
Calculated Transferrin receptor/CD71 MW:	85 kDa
Observed Transferrin receptor/CD71 MW:	90 kDa
Positive WB detected in	MCF7 cells, HeLa cells, K-562 cells
Positive IP detected in	HeLa cells
Positive IHC detected in	Human placenta tissue, human lymphoma tissue
Recommended dilution:	WB: 1:500-1:5000
	IP: 1:200-1:2000
	IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag0123
GenBank accession number:	BC001188
Gene ID (NCBI):	7037
Full name:	Transferrin receptor (p90, CD71)

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

(IP:10084-2-AP, 4ug;  
Detection:10084-2-AP 1:500)  
with HeLa cells lysate 2400ug.