

## Allgemeine Informationen

**Katalog-Nr.:**

10084-2-AP

**Größe:**

150ul, Konzentration: 500 µg/ml von Nanodrop;

**Wirt:**

Kaninchen

**Isotyp:**

IgG

**Immunogen Katalognummer:**

AG0123

**GenBank-Zugangsnummer:**

BC001188

**GeneID (NCBI):**

7037

**Vollständiger Name:**

transferrin receptor (p90, CD71)

**Berechnete Masse:**

85 kDa

**Beobachtete Masse:**

90 kDa

**Reinigungsmethode:**

Antigen-Affinitätsreinigung

**Empfohlene Verdünnungen:**

WB 1:5000-1:50000

IP 0.5-4.0 µg für IP und 1:500-1:1000

für WB

IHC 1:500-1:2000

IF 1:50-1:500

## Anwendungen

**Geprüfte Anwendungen:**

IF, IHC, IP, WB, ELISA

**In Publikationen genannte Anwendungen:**

IF, IHC, WB

**Getestete Reaktivität:**

Human

**Zitierte Arten:**

Affe, Hausschwein, Huhn, Human

**Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

**Positivkontrollen:**

**WB:** HT-1080.Zellen, HeLa-Zellen, humanes Plazenta-Gewebe, Jurkat-Zellen, K-562-Zellen

**IP:** HeLa-Zellen,

**IHC:** humanes Plazenta-Gewebe,

**IF:** HeLa-Zellen,

## Hintergrundinformationen

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 that enters the cell by endocytosis. CD71 is present on actively proliferating cells and is essential for iron transport into proliferating cells.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Diego Sbardella	28951555	Sci Rep	IF
Qiong Ma	34571345	Transl Oncol	WB
Zixuan Liu	33017703	Chemosphere	WB

## Lagerung

**Lagerungsbedingungen:**

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

**Lagerungspuffer:**

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

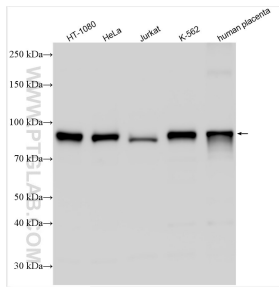
For technical support and original validation data for this product please contact:

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

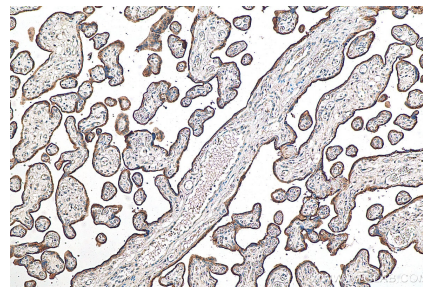
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
 W: [ptglab.com](http://ptglab.com)

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

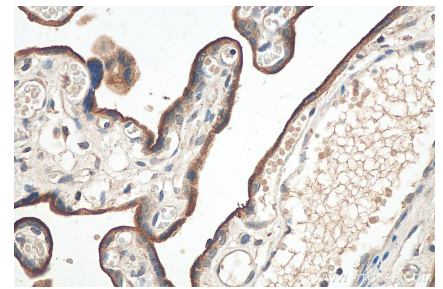
## Ausgewählte Validierungsdaten



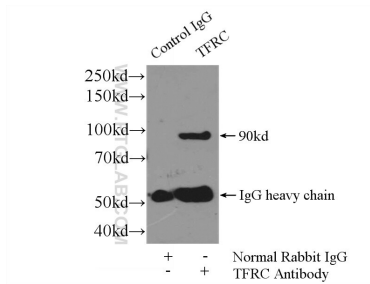
Various lysates were subjected to SDS PAGE followed by western blot with 10084-2-AP (CD71 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



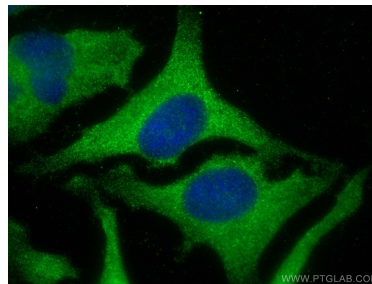
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 10084-2-AP (CD71 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 10084-2-AP (CD71 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-CD71 (IP:10084-2-AP, 4ug; Detection:10084-2-AP 1:500) with HeLa cells lysate 2400ug.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CD71 antibody (10084-2-AP) at dilution of 1:200 and CoralLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).