

Nur für Forschungszwecke

CD71 Monoklonaler Antikörper

Katalog-Nr.:66180-1-Ig

Vorgestelltes Produkt

11 Publikationen



Allgemeine Informationen

Katalog-Nr.:
66180-1-Ig

Größe:
150ul, Konzentration: 3400 µg/ml von7037
Nanodrop und 1800 µg/ml durch die
Bradford-Methode mit BSA als
Standard;

Wirt:
Maus

Isotyp:
IgG2a

Immunogen Katalognummer:
AG21612

GenBank-Zugangsnummer:
BC001188

GeneID (NCBI):

Vollständiger Name:
transferrin receptor (p90, CD71)

Berechnete Masse:
85 kDa

Beobachtete Masse:
90 kDa

Reinigungsmethode:
Protein-A-Reinigung

CloneNo.:
3C11F11

Empfohlene Verdünnungen:
WB 1:5000-1:50000
IP 0.5-4.0 µg für IP und 1:500-1:2000
für WB
IHC 1:2000-1:8000
IF 1:200-1:800

Anwendungen

Geprüfte Anwendungen:
FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:
Blocking assay, IF, WB

Getestete Reaktivität:
Human

Zitierte Arten:
Human, Maus

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

Positivkontrollen:

WB : U-251-Zellen, A431-Zellen, A549-Zellen, HeLa-
Zellen, HepG2-Zellen, K-562-Zellen, Raji-Zellen, TF-1-
Zellen, U2OS-Zellen

IP : HeLa-Zellen,

IHC : humanes Plazenta-Gewebe, humanes
Mammakarzinomgewebe

IF : humanes Mammakarzinomgewebe,

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 which 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
Ping Han	36309297	Free Radic Biol Med	WB
Lingjuan Wang	34732689	Cell Death Discov	WB
Yangli Tian	34081703	PLoS Genet	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

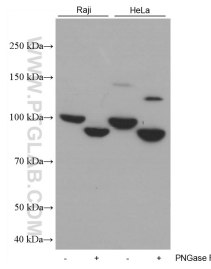
For technical support and original validation data for this product please contact:

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

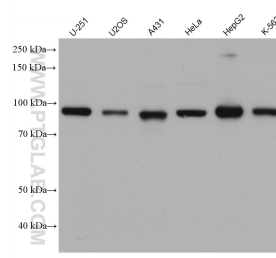
E: proteintech@ptglab.com
W: ptglab.com

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

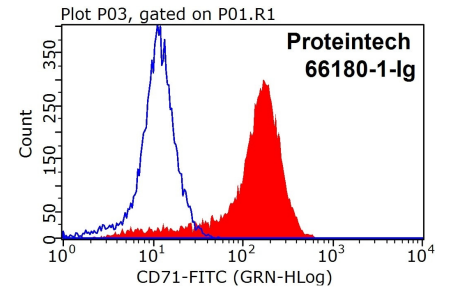
Ausgewählte Validierungsdaten



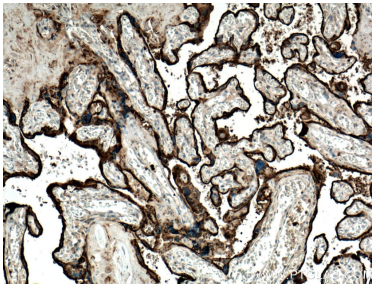
Untreated and PNGase F-treated lysates of Raji cells and HeLa cells were subjected to SDS PAGE followed by western blot with 66180-1-Ig (CD71 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. PNGase F was obtained from Atagenix (cat.NO. ata808).



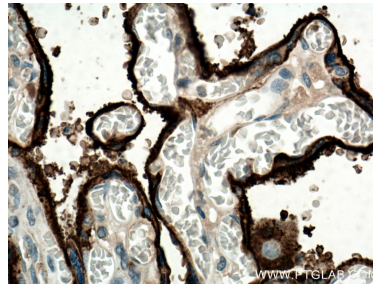
Various lysates were subjected to SDS PAGE followed by western blot with 66180-1-Ig (CD71 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



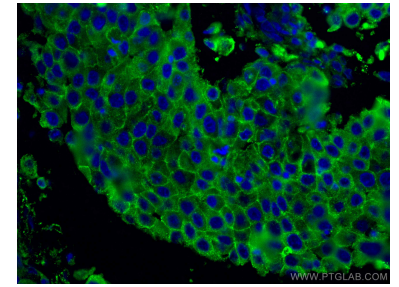
1X10⁶ Raji cells were stained with 0.2ug CD71 antibody (66180-1-Ig, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). FITC-Goat anti-mouse IgG with dilution 1:100.



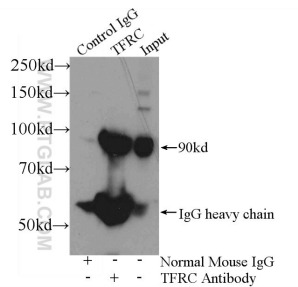
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66180-1-Ig (CD71 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66180-1-Ig (CD71 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using CD71 antibody (66180-1-Ig, Clone: 3C11F11) at dilution of 1:400 and Coralite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



IP Result of anti-CD71 (IP:66180-1-Ig, 5ug; Detection:66180-1-Ig 1:1000) with HeLa cells lysate 2400ug.