

CD71/Transferrin Receptor Rabbit mAb

Catalog No.: A25900 **Recombinant**

Basic Information

Observed MW

90-100kDa

Calculated MW

85kDa

Category

Primary antibody

Applications

WB,IHC-P,ICC/IF,IP,ELISA

Cross-Reactivity

Human, Mouse

CloneNo number

ARC3287


Background

This gene encodes a cell surface receptor necessary for cellular iron uptake by the process of receptor-mediated endocytosis. This receptor is required for erythropoiesis and neurologic development. Multiple alternatively spliced variants have been identified.

Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:100 - 1:500
IF/ICC	1:50 - 1:200
IP	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Contact

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Immunogen Information

Gene ID

7037

Swiss Prot

P02786

Immunogen

Recombinant protein

Synonyms

T9; TR; TFR; p90; CD71; TFR1; TRFR; IMD46

Product Information

Source

Rabbit

Isotype

IgG

Purification

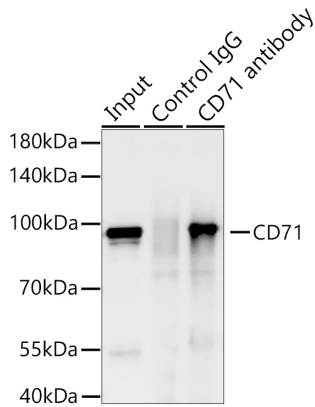
Affinity purification

Storage

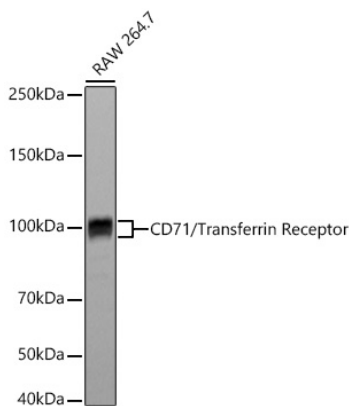
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% proclin300,0.05% BSA,50% glycerol,pH7.3.

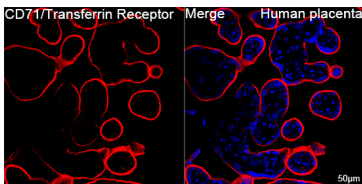
Validation Data



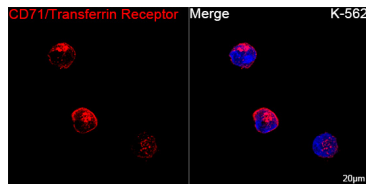
Immunoprecipitation of CD71/Transferrin Receptor from 300 µg extracts of K562 cells was performed using 0.5 µg of CD71/Transferrin Receptor Rabbit mAb (A25900). Rabbit IgG isotype control (AC042) was used to precipitate the Control IgG sample. IP samples were eluted with 1X Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using CD71/Transferrin Receptor Rabbit mAb (A25900) at a dilution of 1:1000.



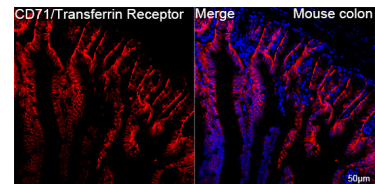
Western blot analysis of lysates from RAW 264.7 cells using CD71/Transferrin Receptor Rabbit mAb (A25900) at 1:1000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 20s.



Confocal imaging of paraffin-embedded Human placenta tissue using CD71/Transferrin Receptor Rabbit mAb (A25900, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.

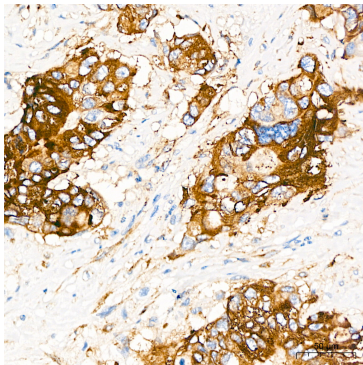


Confocal imaging of K-562 cells using CD71/Transferrin Receptor Rabbit mAb (A25900, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.

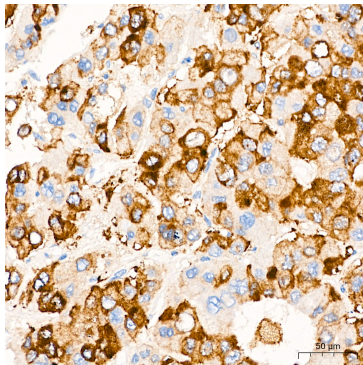


Confocal imaging of paraffin-embedded Mouse colon tissue using CD71/Transferrin Receptor Rabbit mAb (A25900, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.

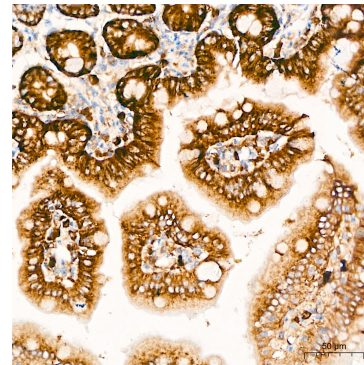
Validation Data



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using CD71/Transferrin Receptor Rabbit mAb (A25900) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human liver cancer tissue using CD71/Transferrin Receptor Rabbit mAb (A25900) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse intestine tissue using CD71/Transferrin Receptor Rabbit mAb (A25900) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.