

CD71/Transferrin Receptor Rabbit pAb

Catalog No.: A21622

Basic Information

Observed MW

90kDa

Calculated MW

85kDa

Category

Primary antibody

Applications

ELISA, WB, IP, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

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

IP 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells

IF/ICC 1:50 - 1:200

Immunogen Information

Gene ID

7037

Swiss Prot

P02786

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 100-250 of human CD71/Transferrin Receptor (NP_003225.2).

Synonyms

T9; TR; TFR; p90; CD71; TFR1; TRFR; IMD46; CD71/Transferrin Receptor

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

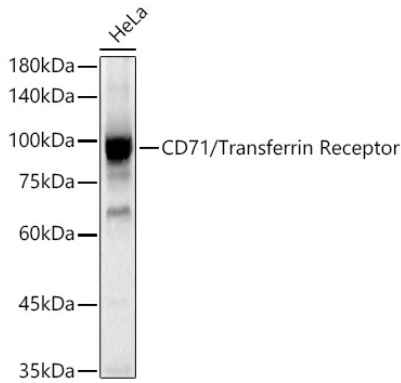
Affinity purification

Storage

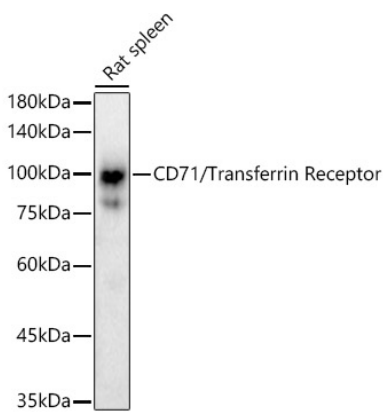
Store at -20°C. Avoid freeze / thaw cycles.

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

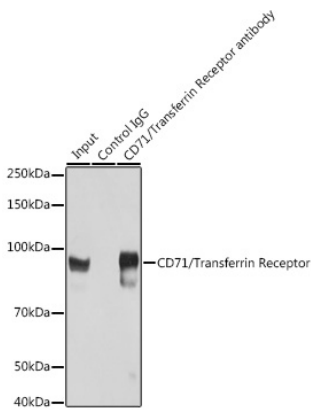
Validation Data



Western blot analysis of lysates from HeLa cells, using CD71/Transferrin Receptor Rabbit pAb (A21622) at 1:900 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.

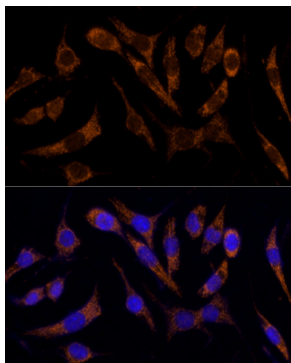


Western blot analysis of lysates from Rat spleen, using CD71/Transferrin Receptor Rabbit pAb (A21622) at 1:900 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 20s.



Immunoprecipitation analysis of 200 µg extracts of Jurkat cells using 3 µg CD71/Transferrin Receptor antibody (A21622). Western blot was performed from the immunoprecipitate using CD71/Transferrin Receptor antibody (A21622) at a dilution of 1:1000.

Validation Data



Immunofluorescence analysis of L929 cells using CD71/Transferrin Receptor Rabbit pAb (A21622) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.