

# CD71/Transferrin Receptor Rabbit pAb

Catalog No.: A21622

## Basic Information

### Observed MW

90kDa

### Calculated MW

85kDa

### Category

Primary antibody

### Applications

WB,IF/ICC,IP,ELISA

### 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

**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.

## 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

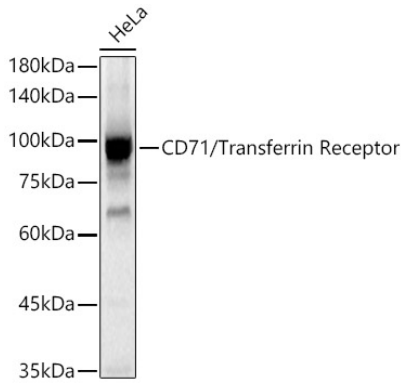
Affinity purification

### Storage

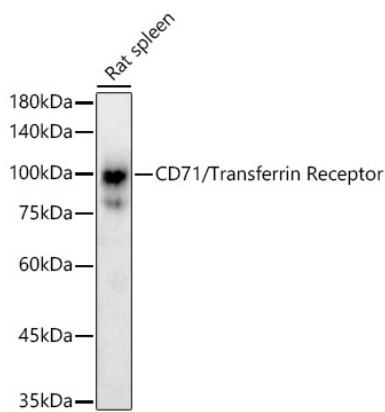
Store at -20°C. Avoid freeze / thaw cycles.

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

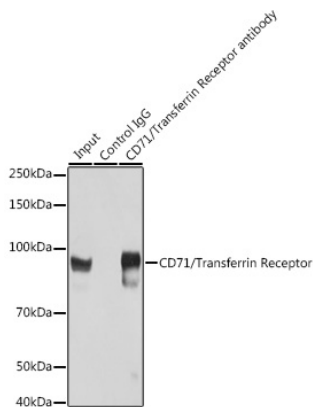
## Validation Data



Western blot analysis of lysates from HeLa cells, using CD71/Transferrin Receptor Rabbit pAb (A21622) at 1:900 dilution.  
Secondary antibody: HRP-conjugated 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.



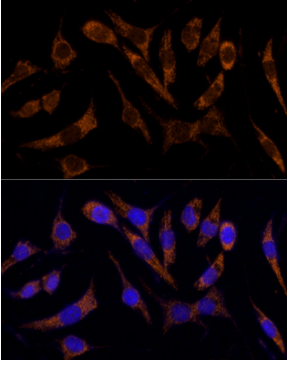
Western blot analysis of lysates from Rat spleen, using CD71/Transferrin Receptor Rabbit pAb (A21622) at 1:900 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: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

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