

For Research Use Only

CD71 Recombinant antibody

Catalog Number: 81793-2-RR

Featured Product

1 Publications



Basic Information

Catalog Number:

81793-2-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0123

GenBank Accession Number:

BC001188

GeneID (NCBI):

7037

ENSEMBL Gene ID:

ENSG00000072274

UNIPROT ID:

P02786

Full Name:

transferrin receptor (p90, CD71)

Calculated MW:

85 kDa

Observed MW:

90 kDa

Purification Method:

Protein A purification

CloneNo.:

2P14

Recommended Dilutions:

WB 1:1000-1:4000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : PC-12 cells, HeLa cells, HT-1080 cells, Raji cells, K-562 cells

IF/ICC : K-562 cells,

Background Information

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhengze Zhang	39426227	Int Immunopharmacol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

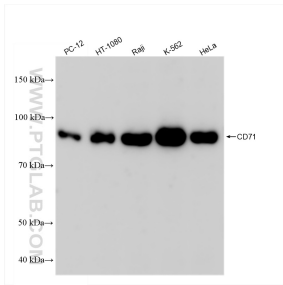
T: 4006900926

E: Proteintech-CN@ptglab.com

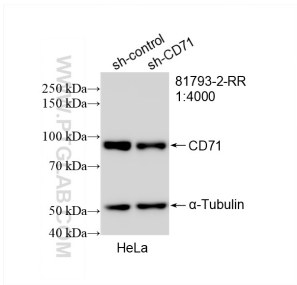
W: ptgcn.com

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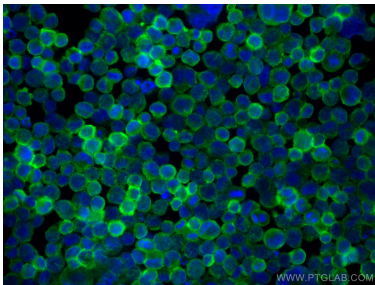
Selected Validation Data



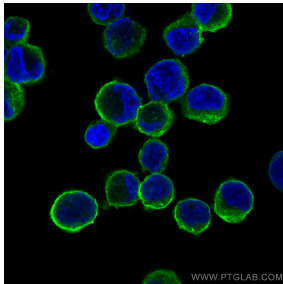
Various lysates were subjected to SDS PAGE followed by western blot with 81793-2-RR (CD71 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



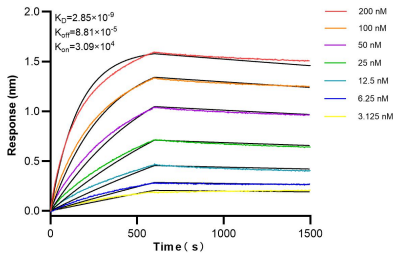
WB result of CD71 antibody (81793-2-RR; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CD71 transfected HeLa cells.



Immunofluorescent analysis of (4% PFA) fixed K-562 cells using CD71 antibody (81793-2-RR, Clone: 2P14) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).



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Biolayer interferometry (BLI) kinetic assays of 81793-2-RR against Human CD71 were performed. The affinity constant is 2.85 nM.