

For Research Use Only

# CD71 Recombinant antibody

Catalog Number: 81793-2-RR



## Basic Information

<b>Catalog Number:</b> 81793-2-RR	<b>GenBank Accession Number:</b> BC001188	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 7037	<b>CloneNo.:</b> 2P14
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000072274	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P02786	
<b>Immunogen Catalog Number:</b> AG0123	<b>Full Name:</b> transferrin receptor (p90, CD71)	
	<b>Calculated MW:</b> 85 kDa	
	<b>Observed MW:</b> 90 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human	<b>WB:</b> PC-12 cells, HT-1080 cells, Raji cells, K-562 cells, HeLa 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.

## 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:

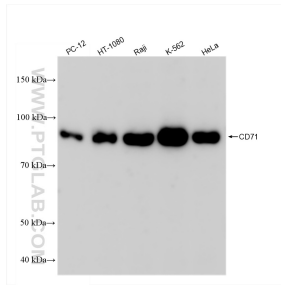
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

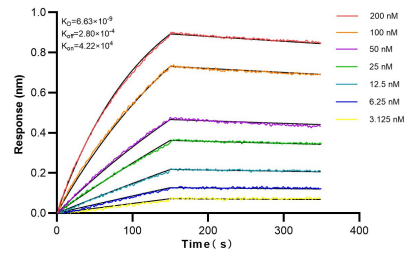
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## Selected Validation Data



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.



Biolayer interferometry (BLI) kinetic assays of 81793-2-RR against Human CD71 were performed. The affinity constant is 6.63 nM.