

For Research Use Only

Transferrin Recombinant antibody

Catalog Number: 81676-1-RR



Basic Information

Catalog Number: 81676-1-RR	GenBank Accession Number: BC059367	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 7018	CloneNo.: 507
Source: Rabbit	UNIPROT ID: P02787	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:475-1:1900
Isotype: IgG	Full Name: transferrin	
Immunogen Catalog Number: AG11504	Calculated MW: 698 aa, 77 kDa	
	Observed MW: 77 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

Human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : human plasma, mouse serum, rat serum, human urine

IHC : human hepatocirrhosis tissue,

Background Information

Serotransferrin(TF) is a 77 kDa secreted protein which is also named as transferrin, siderophilin, beta-1 metal-binding globulin and belongs to a family of homologous iron-binding glycoproteins that encompasses lactoferrin (found both intracellular and in secretions, including milk), melanotransferrin (present on melanoma cells) and ovotransferrin (present in egg white). TF is a multi-function protein with a primary role in transporting iron in a safe, redox-inactive state from absorption to utilization or storage sites around the body. The association of Tf with the immune system derives from its ability to restrict serum free-iron levels, creating low-iron environments where the infection capacity of pathogenic microorganisms is limited. TF is expressed predominantly in the liver and secreted in plasma, but lower amounts can be synthesized in other tissues such as the brain and the testis.

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:

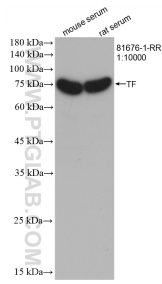
T: 4006900926

E: Proteintech-CN@ptglab.com

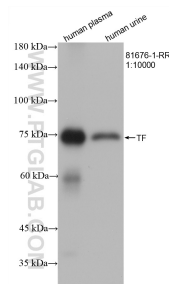
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

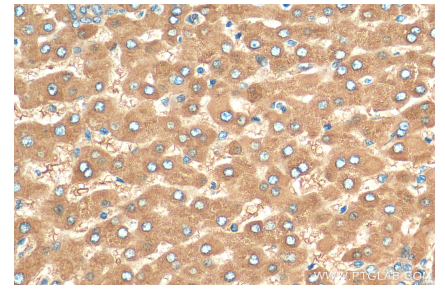
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 81676-1-RR (Transferrin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 81676-1-RR (Transferrin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human hepatocirrhosis tissue slide using 81676-1-RR (Transferrin antibody) at dilution of 1:950 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).