

For Research Use Only

# Transferrin Recombinant antibody, PBS Only

Catalog Number:81676-1-PBS



## Basic Information

<b>Catalog Number:</b> 81676-1-PBS	<b>GenBank Accession Number:</b> BC059367	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7018	<b>CloneNo.:</b> 507
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P02787	
<b>Isotype:</b> IgG	<b>Full Name:</b> transferrin	
<b>Immunogen Catalog Number:</b> AG11504	<b>Calculated MW:</b> 698 aa, 77 kDa	
	<b>Observed MW:</b> 77 kDa	

## Applications

**Tested Applications:**  
WB, IHC, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## 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

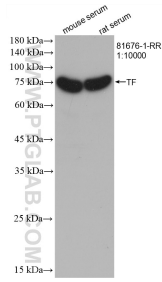
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

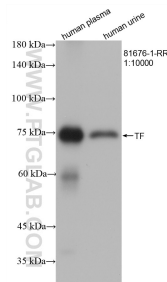
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
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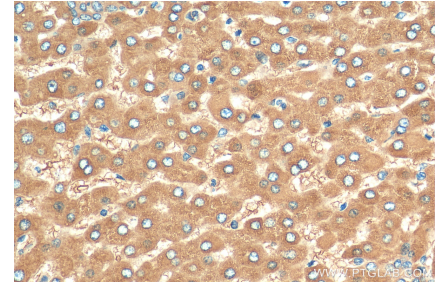
## Selected Validation Data



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. This data was developed using the same antibody clone with 81676-1-PBS in a different storage buffer formulation.



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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). This data was developed using the same antibody clone with 81676-1-PBS in a different storage buffer formulation.