

For Research Use Only

Transferrin Recombinant antibody, PBS Only



Catalog Number:81676-1-PBS

Basic Information

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

Applications

Tested Applications:
WB, Indirect ELISA, IHC

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:

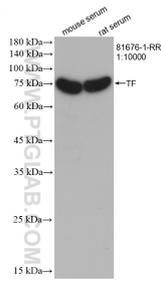
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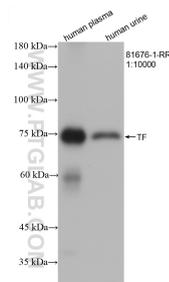
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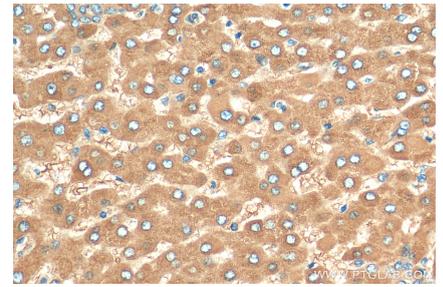
Selected Validation Data



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.