

# Transferrin Polyclonal antibody

Catalog Number: 17435-1-AP

Featured Product

50 Publications

## Basic Information

<b>Catalog Number:</b> 17435-1-AP	<b>GenBank Accession Number:</b> BC059367	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 500 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7018	<b>Recommended Dilutions:</b> WB 1:1000-1:5000 IHC 1:50-1:500 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> transferrin	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 698 aa, 77 kDa	
<b>Immunogen Catalog Number:</b> AG11504	<b>Observed MW:</b> 77 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, IHC, IP, WB	<b>WB:</b> human urine sample, mouse kidney tissue, mouse spleen tissue, rat kidney tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IHC:</b> human hepatocirrhosis tissue, human placenta tissue, human testis tissue
<b>Cited Species:</b> human, rat, mouse, monkey, duck	<b>IF:</b> HepG2 cells,
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

## Notable Publications

Author	Pubmed ID	Journal	Application
Fen Liu	36129988	Sci Adv	WB
Zhongyang Lv	36137413	EBioMedicine	WB
Tong-Chun Xue	25242412	Oncol Rep	WB

## Storage

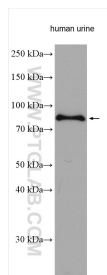
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
 Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

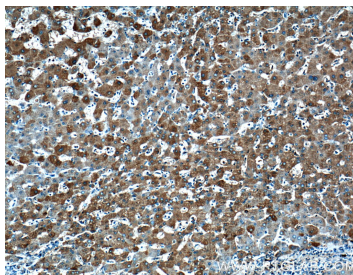
For technical support and original validation data for this product please contact:  
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
 E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
 W: [ptglab.com](http://ptglab.com)

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

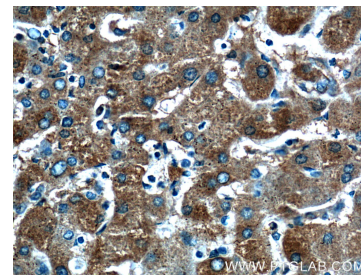
## Selected Validation Data



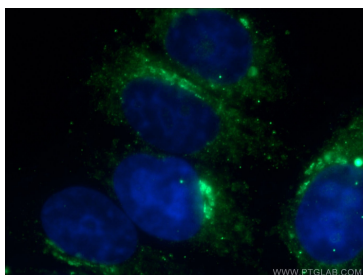
human urine lysates were subjected to SDS PAGE followed by western blot with 17435-1-AP (Transferrin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human hepatocirrhosis tissue slide using 17435-1-AP (Transferrin antibody at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human hepatocirrhosis tissue slide using 17435-1-AP (Transferrin antibody at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 17435-1-AP (Transferrin antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).