

For Research Use Only

# Transferrin/TF Polyclonal antibody

Catalog Number:32388-1-AP



## Basic Information

<b>Catalog Number:</b> 32388-1-AP	<b>GenBank Accession Number:</b> NM_133977.2	<b>Purification Method:</b> Antigen affinity Purification
<b>Concentration:</b> 550 µg/ml	<b>GeneID (NCBI):</b> 22041	<b>Recommended Dilutions:</b> WB 1:2000-1:12000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q92111	
<b>Isotype:</b> IgG	<b>Full Name:</b> transferrin	
<b>Immunogen Catalog Number:</b> EG1066	<b>Calculated MW:</b> 77kDa	
	<b>Observed MW:</b> 77 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse testis tissue, rat testis tissue
<b>Species Specificity:</b> mouse	

## 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, pH7.3  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

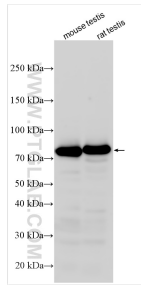
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32388-1-AP (Transferrin antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.