



# Transferrin Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-00765
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	TF
<b>Protein Name</b>	Serotransferrin
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from the C-terminal region of human TF. AA range:611-660
<b>Specificity</b>	Transferrin Polyclonal Antibody detects endogenous levels of Transferrin protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000.. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	TF; Serotransferrin; Transferrin; Beta-1 metal-binding globulin; Siderophilin
<b>Observed Band</b>	77kD
<b>Cell Pathway</b>	Secreted.
<b>Tissue Specificity</b>	Expressed by the liver and secreted in plasma.
<b>Function</b>	disease:Defects in TF are the cause of atransferrinemia [MIM:209300]. Atransferrinemia is rare autosomal recessive disorder characterized by iron overload and hypochromic anemia.,function:Transferrins are iron binding transport proteins which can bind two Fe(3+) ions in association with the binding of an anion, usually bicarbonate. It is responsible for the transport of iron from sites of absorption and heme degradation to those of storage and utilization. Serum transferrin may also have a further role in stimulating cell proliferation.,online information:Transferrin entry,polymorphism:Different polymorphic variants of transferrin are known. The sequence shown is the predominant electrophoretic variant (C1 or TF*C1),,similarity:Belongs to the transferrin family.,similarity:Contains 2 transferrin-like domains.,subunit:Monomer.,tissue specificity:Expressed by the liver and secreted in plas



## Background

transferrin(TF) Homo sapiens This gene encodes a glycoprotein with an approximate molecular weight of 76.5 kDa. It is thought to have been created as a result of an ancient gene duplication event that led to generation of homologous C and N-terminal domains each of which binds one ion of ferric iron. The function of this protein is to transport iron from the intestine, reticuloendothelial system, and liver parenchymal cells to all proliferating cells in the body. This protein may also have a physiologic role as granulocyte/pollen-binding protein (GPBP) involved in the removal of certain organic matter and allergens from serum. [provided by RefSeq, Sep 2009],

## matters needing attention

Avoid repeated freezing and thawing!

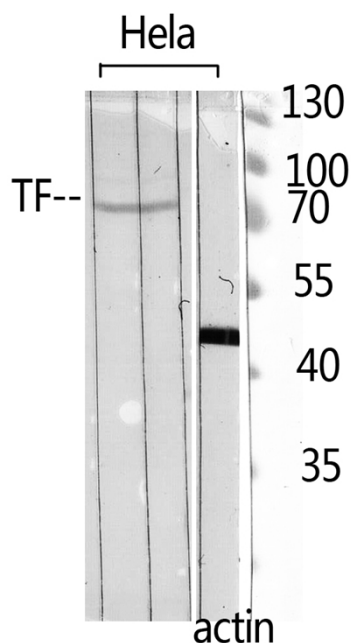
## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

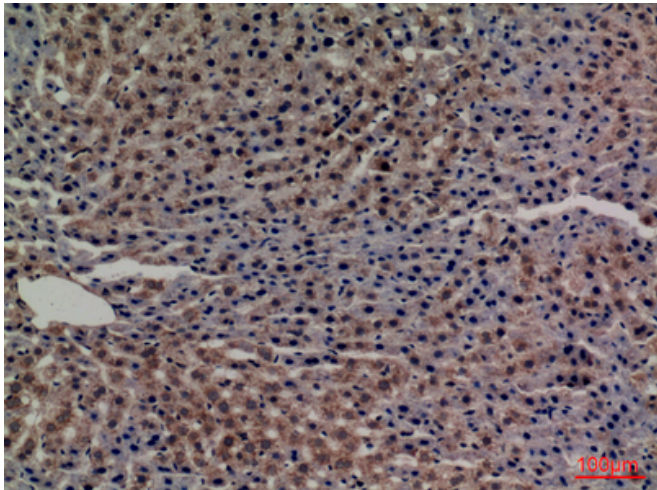
## Products Images



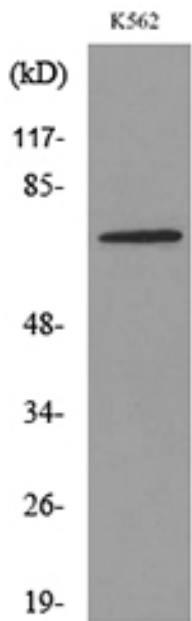
Western Blot analysis of K562 cells using Transferrin Polyclonal Antibody. Antibody was diluted at 1:500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western Blot analysis of HELA using TF Polyclonal Antibody. Antibody was diluted at 1:500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded rat-liver, antibody was diluted at 1:100



Western blot analysis of lysate from K562 cells, using TF Antibody.