

Transferrin Antibody
Purified Rabbit Polyclonal Antibody
Catalog # ABV11651**Specification**

Transferrin Antibody - Product Information

Application	WB
Primary Accession	P02787
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	rabbit IgG
Calculated MW	77050

Transferrin Antibody - Additional Information**Gene ID** 7018**Other Names**

Transferrin, Siderophilin, TF, DKFZp781D0156, PRO1557, PRO2086

Target/Specificity

Transferrin

Formulation

100 µg (0.5 mg/ml) of antibody in PBS pH 7.2, 0.01 % BSA, 0.03 % ProClin®, and 50 % glycerol.

Handling

The antibody solution should be gently mixed before use.

Background Descriptions**Precautions**

Transferrin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

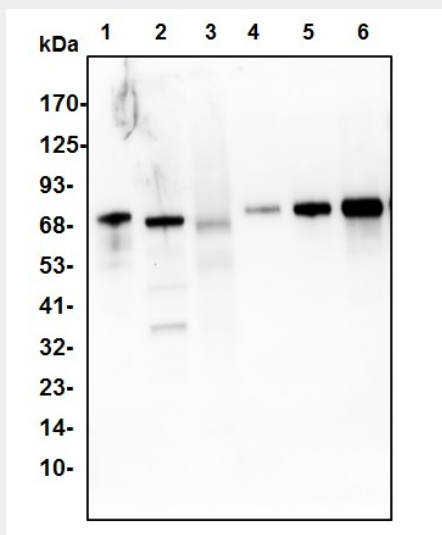
Transferrin Antibody - Protein Information**Name** TF ([HGNC:11740](#))**Function**

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. (Microbial infection) Serves as an iron source for parasite *T.brucei* (strain 427), which capture TF via its own transferrin receptor ESAG6:ESAG7 and extract its iron for its own use.

Cellular Location
Secreted.**Tissue Location**
Expressed by the liver and secreted in plasma.**Transferrin Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Transferrin Antibody - Images

Western blot with human Transferrin antibody: lane1: human serum 0.2ug; lane2: mouse muscle lysate 33ug; lane3: rat kidney lysate 30ug; lane4: human Transferrin 2ng; lane5: human Transferrin 10ng; lane6: human Transferrin 50ng.

Transferrin Antibody - Background

Transferrin is a monomeric glycoprotein found in plasma at an average concentration of 250 mg/100ml. The specific iron-binding protein in plasma, it has a role in the transportation and distribution of iron among the body organs, in iron metabolism and in prevention of iron loss via the kidney. Stored in bone marrow as TF-bound iron, it also possesses bacteriostatic and fungistatic activity. Clinically, decreases in transferrin are observed in congenital disorders, newborns, inflammatory diseases, hypo-proteinemias and nephritic syndrome; increases are found in pregnancy, iron-deficiency anemias and inoculation hepatitis. Transferrin is required by all types of cells in cultures for maximal growth. It is, therefore, an important factor used in defined culture media.