

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 μ g (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

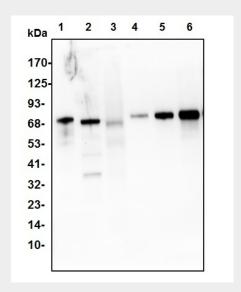
Expressed by the liver and secreted in plasma.

Transferrin Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- 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.