

Datasheet for ABIN1607870
anti-Transferrin antibody (Biotin)



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2 Images

Overview

Quantity:	100 µg
Target:	Transferrin (TF)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Transferrin antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Transferrin [Human Serum] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivities against Transferrin from other sources may occur but have not been specifically determined.
Purity:	Anti-TRANSFERRIN Antibody, Biotin Conjugated, is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin, anti-Rabbit Serum as well as purified and partially purified Transferrin [Human Serum].
Endotoxin Level:	Low Endotoxin : No

Target Details

Target:	Transferrin (TF)
Alternative Name:	Transferrin (TF Products)
Background:	Anti-Transferrin Antibody, Biotin Conjugated is specific for the transferrin protein. Transferrins are iron-binding blood plasma glycoproteins which regulate the level of free iron in biological fluids. When free of bound iron, transferrin is referred to as apotransferrin. Human transferrin is encoded by the TF gene and is mainly synthesized in the liver, but other sources, such as the brain produce it. The main role of transferrin is delivery of iron from absorption centers in the duodenum and macrophages to all tissues. Membrane receptors on erythroid precursors in the bone marrow avidly bind transferrin. Hereditary hemochromatosis and anemia are well establish disorders involving defects in transferrin transport defects. Anti-Transferrin Antibody, Biotin Conjugated is suitable for use in cardiovascular research as well as other basic research. Synonyms: Apotransferrin antibody, Beta 1 metal binding globulin antibody, DKFZp781D0156 antibody, PRO1400 antibody, PRO1557 antibody, PRO2086 antibody, Serotransferrin precursor antibody, Siderophilin antibody, TF antibody
Gene ID:	7018
UniProt:	P02787
Pathways:	Transition Metal Ion Homeostasis

Application Details

Application Notes:	Anti-TRANSFERRIN Antibody, Biotin Conjugated has been tested for use in Immunoblotting, ELISA, immunohistochemistry, immunofluorescence microscopy as well as other antibody based assays. Optimal concentrations should be determined by the researcher. ELISA Dilution: 1:20.000 - 1:150.000 Immunohistochemistry Dilution: 1:1.000 - 1:5.000 Western Blot Dilution: 1:2.000 - 1:10.000
Restrictions:	For Research Use only

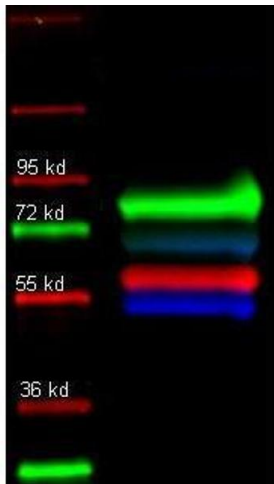
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Handling

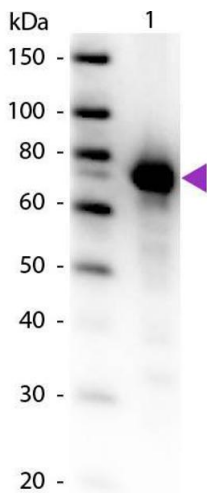
Handling Advice:	Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store vial at -20 °C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below.
Expiry Date:	Expiration date is one (1) year from date of opening.

Images



Western Blotting

Image 1. Western Blot of primary and Dylight conjugated secondary antibodies. Lane 1: molecular weight. Lane 2: Rabbit anti-Human transferrin (green); Alpha 1 anti trypsin (red); and Human IgG (Blue) in a multiplex fluorescent western blot of human serum. Primary antibody: Each primary antibody was diluted to 1:1000 for 2 hrs at RT. Secondary antibody: Rabbit IgG (H&L) Antibody 649 Conjugated (green), Goat IgG (H&L) Antibody 549 Conjugated (red), Mouse IgG (H&L) Antibody 488 Conjugated (blue)secondary antibody at 1:10,000 for 45 min at RT. Block: IRdye blocking buffer (ABIN925618) 1hr at 4°C. Other band(s): none.



Western Blotting

Image 2. Western Blot of Biotin conjugated Rabbit Anti-Transferrin primary antibody. Lane 1: human depleted serum. Lane 2: None. Load: Unknown. Primary antibody: Biotin conjugated Rabbit Anti-Transferrin at 1:1,000 overnight at 4°C. Secondary antibody: Peroxidase streptavidin secondary antibody at 1:40,000 for 30 min at RT. Block: ABIN925618 for 30 min at RT. Predicted/Observed size: 74 kDa, 74 kDa for Transferrin.

Other band(s): None.