

Datasheet for ABIN7072373

Recombinant anti-Transferrin antibody



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1 Image

Overview

Quantity:	200 µg
Target:	Transferrin (TF)
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Chimeric
Conjugate:	This Transferrin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Blocking Reagent (BR)

Product Details

Purpose:	Anti-Transferrin [TW4.20], Rabbit IgG, kappa
Immunogen:	Iron-free purified human transferrin.
Clone:	TW4-20
Isotype:	IgG kappa
Specificity:	Binds to the N-terminal domain of human transferrin.
Characteristics:	Original Species of Ab: Mouse Original Format of Ab: IgG1
Purification:	Protein A affinity purified

Target Details

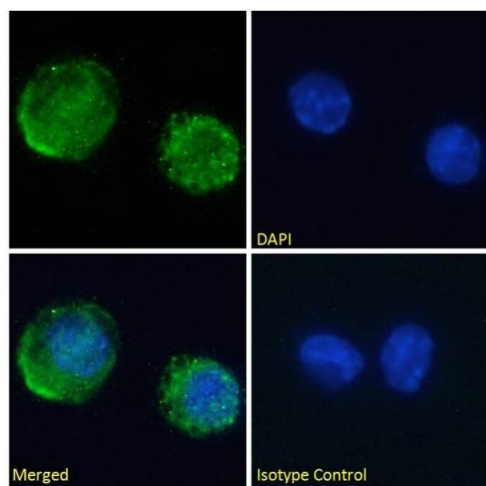
Target:	Transferrin (TF)
Alternative Name:	Transferrin (TF Products)
Background:	Serotransferrin
UniProt:	Q06AH7
Pathways:	Transition Metal Ion Homeostasis

Application Details

Application Notes:	This antibody recognises transferrin a protein 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. This antibody can displace transferrin from the transferrin receptor.
Comment:	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % Proclin 300.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.



Immunofluorescence

Image 1. Immunofluorescence staining of fixed HepG2 cells with anti-Serotransferrin antibody TW4.20. Immunofluorescence analysis of paraformaldehyde fixed HpeG2 cells on Shi-fix™ coverslips, permeabilized with 0.15 % Triton and stained with the chimeric rabbit IgG version of TW4.20 (ABIN7072373) at 10 µg/mL for 1h followed by Alexa Fluor®488 secondary antibody (1 µg/mL), showing diffuse cytoplasmic staining, likely from protein in trafficking vesicles. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom ABIN7072373, DAPI, merged channels and an isotype control. The isotype control was stained with an anti-Fluorescein antibody followed by Alexa Fluor®488 secondary antibody.