

Datasheet for ABIN7172795

anti-Transferrin Receptor antibody (AA 94-754)[Go to Product page](#)**3** Images

Overview

Quantity:	100 µg
Target:	Transferrin Receptor (TFRC)
Binding Specificity:	AA 94-754
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Transferrin Receptor antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Transferrin receptor protein 1 protein (94-754AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	Transferrin Receptor (TFRC)
Alternative Name:	TFRC (TFRC Products)
Background:	Background: Cellular uptake of iron occurs via receptor-mediated endocytosis of ligand-occupied transferrin receptor into specialized endosomes. Endosomal acidification leads to

Target Details

iron release. The apotransferrin-receptor complex is then recycled to the cell surface with a return to neutral pH and the concomitant loss of affinity of apotransferrin for its receptor. Transferrin receptor is necessary for development of erythrocytes and the nervous system By similarity. A second ligand, the heditary hemochromatosis protein HFE, competes for binding with transferrin for an overlapping C-terminal binding site.

Aliases: CD 71 antibody, CD71 antibody, CD71 antigen antibody, IMD46 antibody, OTTHUMP00000208523 antibody, OTTHUMP00000208524 antibody, OTTHUMP00000208525 antibody, p90 antibody, sTfR antibody, T9 antibody, TFR 1 antibody, TfR antibody, TfR1 antibody, TFR1_HUMAN antibody, TFRC antibody, TR antibody, Transferrin receptor (p90 CD71) antibody, Transferrin receptor protein 1, serum form antibody, Trfr antibody

UniProt: [P02786](#)

Pathways: [Transition Metal Ion Homeostasis](#)

Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

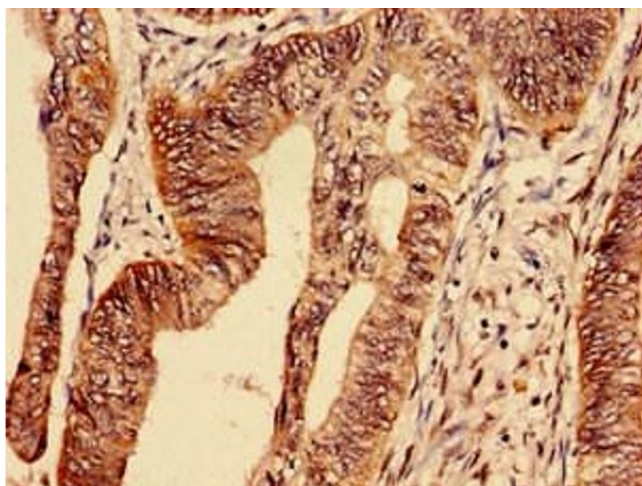
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

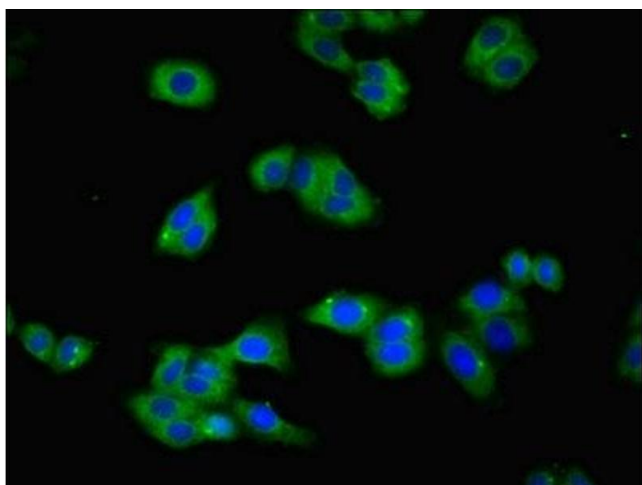
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



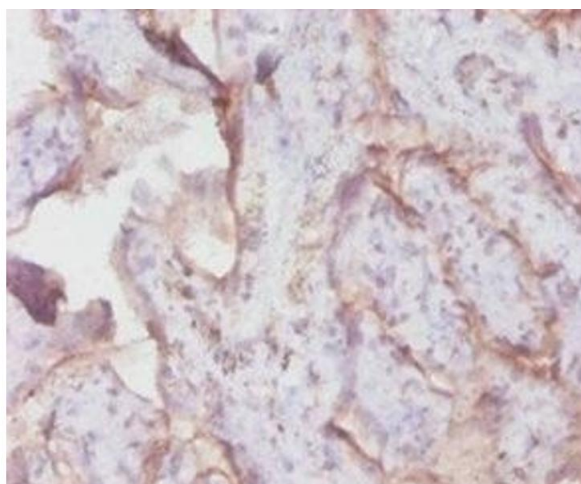
Immunocytochemistry

Image 1. Immunocytochemistry analysis of human colon cancer using ABIN7172795 at dilution of 1:100



Immunofluorescence

Image 2. Immunofluorescent analysis of HepG2 cells using ABIN7172795 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human placenta tissue using ABIN7172795 at dilution of 1:100