

Rabbit anti-Human Transferrin Receptor/TFRC Monoclonal Antibody | anti-TFRC antibody

Recombinant Anti-Transferrin Receptor/TFRC Antibody, Rabbit Monoclonal

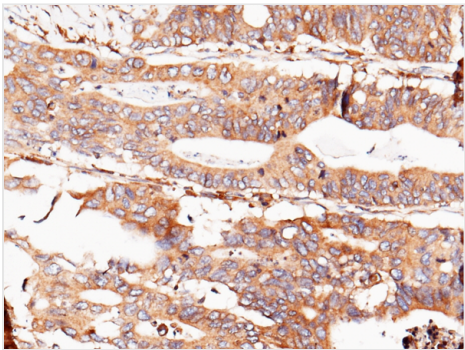
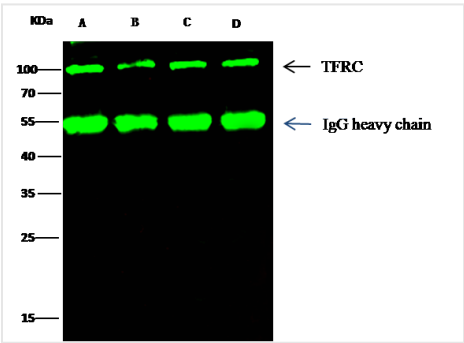
CATALOG # AAA255294	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Immunohistochemistry
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PRODUCT SYNONYMS

Transferrin Receptor/TFRC; Monoclonal Antibody; Recombinant Anti-Transferrin Receptor/TFRC Antibody; Rabbit Monoclonal; Transferrin Receptor/TFRC/CD71 Antibody; Rabbit MAb; transferrin receptor; Anti-CD71 Antibody; Anti-p90 Antibody; Anti-T9 Antibody; Anti-TFR Antibody; Anti-TFR1 Antibody; Anti-TR Antibody; Anti-TRFR Antibody; anti-TFRC antibody

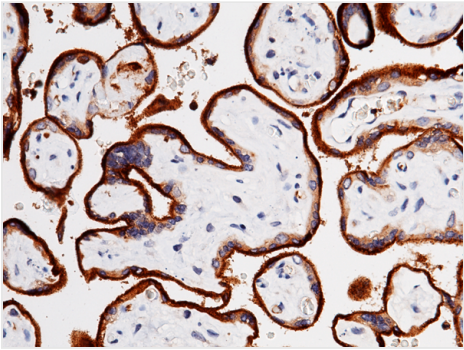
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	016
Specificity	Human Transferrin Receptor/TFRC/CD71. Has cross-reactivity in ELISA with Mouse TFRC Has cross-reactivity in ELISA with Mouse TFRC
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-TFRC antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Human Transferrin Receptor/TFRC/CD71 protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human Transferrin Receptor/TFRC/CD71 (rh Transferrin Receptor/TFRC/CD71).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)
TFRC was immunoprecipitated using: Lane A: 0.5 mg Jurkat Whole Cell Lysate; Lane B: 0.5 mg MCF-7 Whole Cell Lysate; Lane C: 0.5 mg HepG2 Whole Cell Lysate; Lane D: 0.5 mg Hela Whole Cell Lysate. 2 μ L anti-TFRC rabbit monoclonal antibody and 15 μ L of 50 % Protein G agarose. Primary antibody: Anti-TFRC rabbit monoclonal antibody, at 1:100 dilution. Secondary antibody: DyLight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 84 kDa. Observed band size: 100 kDa.

IHC (Immunohistochemistry)
Immunochemical staining of human TFRC in human colon carcinoma with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections). Positive staining was localized to intestinal gland.



IHC (Immunohistochemistry)
Immunochemical staining of human TFRC in human placenta with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections). Positive staining was localized to trophoblast.

ADDITIONAL INFORMATION

Related Product Information for anti-TFRC antibody	Transferrin receptor protein 1, also known as transferrin receptor, Trfr, p9, CD71 and TFRC, is a single-pass type II membrane protein that belongs to the peptidase M28 family and M28B subfamily. TFRC/CD71 is a membrane-bound protein expressed in larger amounts in proliferating. The specific expression of TFRC can represent a tool or a therapeutic target in solid tumours expressing this antigen. Transferrin receptor is necessary for development of erythrocytes and the nervous system. TFRC/CD71 is regulated by cellular iron levels through binding of the iron regulatory proteins, IRP1 and IRP2, to iron-responsive elements in the 3'-UTR. Up-regulated upon mitogenic stimulation. TFRC/CD71 represents a marker of malignant transformation in the pancreas that could be applied as potential and therapeutic target.
References	Douabin-Gicquel V., et al., 2001, Hum. Genet. 109:393-401. Ryschich, E. et al., 2004, Eur J Cancer. 40 (9):1418-22. Tosoni D., et al., 2005, Cell 123:875-888. Wollscheid B., et al., 2009, Nat. Biotechnol. 27:378-386.

NCBI AND UNIPROT INFORMATION

NCBI GI #	339516
NCBI GeneID	7037
UniProt Accession #	P02786; Q1HE24; Q59G55; Q9UCN0; Q9UCU5; Q9UDF9; Q9UK21; D3DXB0
Molecular Weight	84,871 Da
NCBI Official Full Name	transferrin receptor

NCBI Official Synonym Full Names	transferrin receptor (p90, CD71)
NCBI Official Symbol	TFRC
NCBI Official Synonym Symbols	T9; TR; TFR; p90; CD71; TFR1; TRFR
NCBI Protein Information	transferrin receptor protein 1
UniProt Protein Name	Transferrin receptor protein 1
UniProt Gene Name	TFRC
UniProt Synonym Gene Names	TR; TfR; TfR1; Trfr; sTfR
UniProt Entry Name	TFR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/transferrin-receptor-tfrc-antibody-clone-016-immunoprecipitation-immunohistochemistry-elisa/255294>