

Anti-Transferrin Receptor/TFRC Antibody (3E660)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	3E660
Purification:	Protein A

Applications

1. Anti-TFRC rabbit monoclonal antibody at 1:500 dilution.
 - Lane A: Hela Whole Cell lysate.
 - Lysates/proteins at 30 µg per lane.
 - Secondary
 - Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.
 - Developed using the Odyssey technique.
 - Performed under reducing conditions.
 - Predicted band size:84 kDa.
 - Observed band size:95 kDa.
2. 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 µL anti-TFRC rabbit monoclonal antibody and 15 µl of 50 % Protein G agarose.
 - Primary antibody:
 - Anti-TFRC rabbit monoclonal antibody, at 1:200 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.
3. Anti-TFRC rabbit monoclonal antibody at 1:500 dilution.
 - Lane A: TFRC konckout Hela Whole Cell Lysate.
 - Lane B: Hela Whole Cell lysate.
 - Lysates/proteins at 20 µg per lane.
 - Secondary
 - Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.
 - Developed using the ECL technique.
 - Performed under reducing conditions.
 - Predicted band size:84 kDa.
 - Observed band size:85 kDa(Validation Experiment)

Verified Activity:

A DRUG SCREENING EXPERT

Application: ELISA,IP,WB

Recommended WB: 1:500-1:2000; ELISA: 1:5000-1:10000; IP: 0.5-2 µL/mg of lysate

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: Human Transferrin Receptor / TFRC / CD71 protein (TMPY-01873)

Antigen Species: Human

Synonyms: transferrin receptor

Research Background

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 diagnostic 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 diagnostic and therapeutic target.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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