

Anti-Transferrin Antibody (3I436), Serum Loading Control

Product Details

Ig Type:	IgG
Reactivity:	Human,Rat,Mouse,Cow
Molecular Weight:	Theoretical: 77 kDa. Actual: 75 kDa.
Clone:	3I436
Purification:	Protein G purified

Applications

1. Blank control (black line): HepG2.
Primary Antibody (green line): Mouse Anti-Transferrin (Serum Loading Control) antibody (TMAB-13729)
Dilution: 1 µg/Test;
Secondary Antibody (white blue line): Goat anti-mouse IgG-AF488
Dilution: 0.5 µg/Test.
Isotype control (orange line): Normal Mouse IgG
Protocol
The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.
2. Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Transferrin) Monoclonal Antibody, Unconjugated (TMAB-13729) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.
3. Paraformaldehyde-fixed, paraffin embedded (human skin cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Transferrin) Monoclonal Antibody, Unconjugated (TMAB-13729) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.
4. 25 µg total protein per lane of various lysates (see on figure) probed with Transferrin monoclonal antibody, unconjugated (TMAB-13729) at 1:5000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
- Verified Activity:

A DRUG SCREENING EXPERT

Application: WB,IHC-P,IHC-Fr,IF,FCM

Recommended WB: 1:5000-10000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 2µg/Test

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.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Full length native Transferrin protein purified from human plasma

Antigen Species: Human

Gene ID: 7018

Uniprot ID: P02787

Research Background

This gene encodes a glycoprotein with an approximate molecular weight of 76.5 kDa. It is thought to have been created as a result of an ancient gene duplication event that led to generation of homologous C and N-terminal domains each of which binds one ion of ferric iron. The function of this protein is to transport iron from the intestine, reticuloendothelial system, and liver parenchymal cells to all proliferating cells in the body. This protein may also have a physiologic role as granulocyte/pollen-binding protein (GPBP) involved in the removal of certain organic matter and allergens from serum. [provided by RefSeq, Sep 2009].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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