

Anti-Transferrin Antibody (2P804)

Product Details

Ig Type:	IgG
Reactivity:	Human,Rat
Molecular Weight:	Theoretical: 77 kDa. Actual: 75 kDa.
Clone:	2P804
Purification:	Protein G purified

Applications

	<p>1. Sample: Lane 1: Serum (Human) at 20 µg Primary: Anti-Transferrin (TMAB-13728) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 77 kD Observed band size: 77 kD</p> <p>2. Sample: Lane 1: Serum (Rat) at 40 µg Lane 2: Plasma (Rat) at 40 µg</p>
Verified Activity:	<p>Primary: Anti-Transferrin (TMAB-13728) at 1/1000 dilution Secondary: IRDye800CW Goat Anti--Mouse IgG at 1/20000 dilution Predicted band size: 77 kD Observed band size: 75 kD</p> <p>3. Paraformaldehyde-fixed, paraffin embedded (Human liver); 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 (ascites of TMAB-13728 12D9) at 1: 2000 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.</p>
Application:	WB,IHC-P,IHC-Fr,IF
Recommended	WB: 1:500-1000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

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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