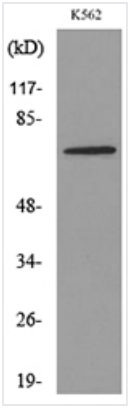
TF Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TF, Polyclonal Antibody
Full Product Name	TF Antibody
Product Gene Name	anti-TF antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using peptide.
Concentration	1 mg/ml (lot specific)
Specificity	TF Antibody detects endogenous levels of TF protein.
Preparation and Storage	Stable at -20 degree C for at least 1 year.
Molecular Weight	77 kDa
OMIM	M12530 mRNA
3D Structure	ModBase 3D Structure for P02787
Target Modification	Unmodified/Total
Immunogen	The antiserum was produced against synthesized peptide derived from the C-terminal region of human TF.
Immunogen Range	611-660
Applications Tested/Suitable for anti-TF antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-TF antibody	WB: 1:500~1:1000 ELISA: 1:10000
Related Product Information for anti-TF antibody	MBS9507489 is an antibody targeting TF. Also known as TF Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-TF antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-TF antibody
Western blot analysis of lysate from K562 cells, using TF Antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TF. It may not necessarily be applicable to this product.

NCBI GI #	4557871
NCBI GeneID	7018
NCBI Accession #	NP_001054.1
UniProt Primary Accession #	P02787
UniProt Secondary Accession #	O43890; Q1HBA5; Q9NQB8; Q9UHV0
UniProt Related Accession #	P02787
GenBank Nucleotide #	NM_001063.3
NCBI Official Full Name	serotransferrin isoform 1
NCBI Official Synonym Full Names	transferrin
NCBI Official Symbol	TF
NCBI Official Synonym Symbols	TFQTL1; PRO1557; PRO2086; HEL-S-71p
UniProt Protein Name	Serotransferrin
UniProt Synonym Protein Names	Beta-1 metal-binding globulin; Siderophilin
Protein Family	TFIIA-alpha and beta-like factor
UniProt Gene Name	TF
UniProt Synonym Gene Names	Transferrin
NCBI Protein Information	serotransferrin
NCBI Summary for TF	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]
UniProt Comments for TF	Transferrins are iron binding transport proteins which can bind two Fe3+ ions in association with the binding of an anion, usually bicarbonate. It is responsible for the transport of iron from sites of absorption and heme degradation to those of storage and utilization. Serum transferrin may also have a further role in stimulating cell proliferation.
Research Articles on TF	**1.** The RNAi knock-down of Trypanosoma brucei GSK3beta reduced Tf endocytosis.

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