

ARG66294 anti-Transferrin antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes Transferrin
Tested Reactivity	Hu
Tested Application	ICC/IF, IHC-P, WB
Specificity	The antibody detects endogenous Human Transferrin protein.
Host	Mouse
Clonality	Monoclonal
Isotype	IgG
Target Name	Transferrin
Species	Human
Immunogen	Synthetic peptide of Human Transferrin.
Conjugation	Un-conjugated
Alternate Names	Beta-1 metal-binding globulin; Siderophilin; Transferrin; PRO1557; TFQTL1; Serotransferrin; PRO2086

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:200
	IHC-P	1:50 - 1:300
	WB	1:1000 - 1:2000
Application Note	IHC-P: Antigen Retrieval: Boil tissue section in Sodium citrate buffer (pH 6.0) for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 77 kDa	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw

cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

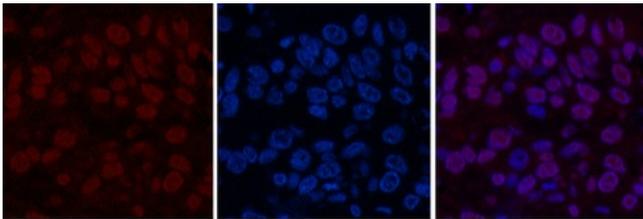
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

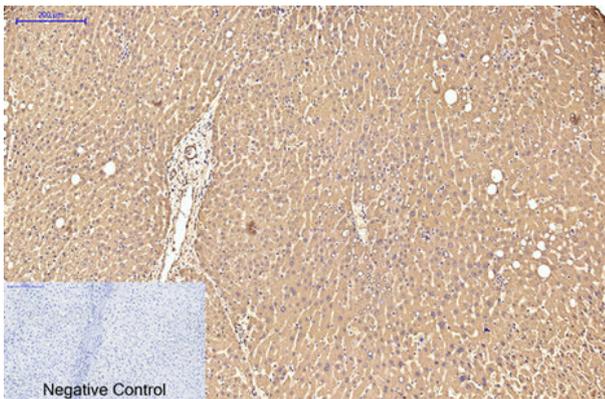
Gene Symbol	TF
Gene Full Name	transferrin
Background	This gene encodes a glycoprotein with an approximate molecular weight of 76.5 kDa. It is thought to have been created as a result of an ancient gene duplication event that led to generation of homologous C and N-terminal domains each of which binds 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]
Function	Transferrins are iron binding transport proteins which can bind two Fe(3+) 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. [UniProt]
Calculated Mw	77 kDa

Images



ARG66294 anti-Transferrin antibody ICC/IF image

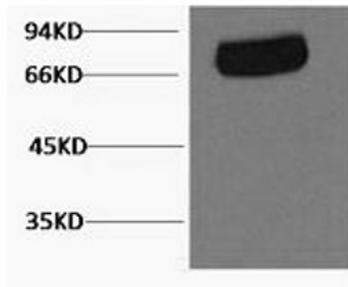
Immunofluorescence: Human lung cancer tissue stained with ARG66294 anti-Transferrin antibody at 1:200 dilution (4°C, overnight). Left: Target. Middle: DAPI (blue) 10min. Right: Merge.



ARG66294 anti-Transferrin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver tissue stained with ARG66294 anti-Transferrin antibody at 1:200 dilution (4°C, overnight). Antigen Retrieval: Boil tissue section in Sodium citrate buffer (pH 6.0) for 20 min.

Human serum



ARG66294 anti-Transferrin antibody WB image

Western blot: Human serum stained with ARG66294 anti-Transferrin antibody at 1:2000 dilution.