

Datasheet for ABIN6244292

anti-Transferrin antibody (AA 432-466)

3 Images

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Overview

Quantity:	200 µL
Target:	Transferrin (TF)
Binding Specificity:	AA 432-466
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Transferrin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This Transferrin antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 432-466 amino acids from human Transferrin.
Clone:	RB55980
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Transferrin (TF)
Alternative Name:	Transferrin (TF Products)

Target Details

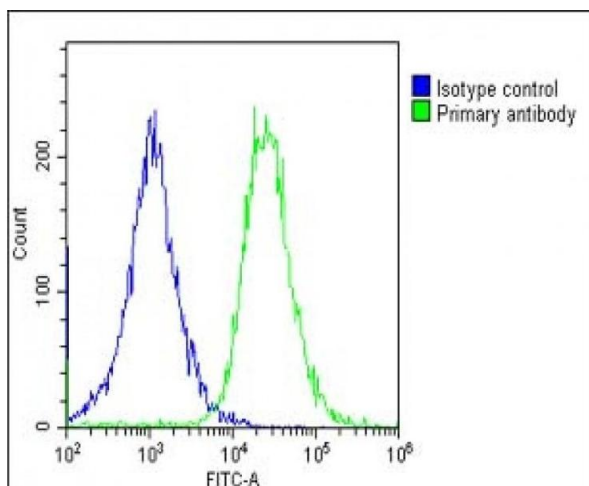
Background:	Transferrins are iron binding transport proteins which can bind two Fe(3+) ions in association with the binding of an anion, usually bicarbonate. It is responsible for the transport of iron from sites of absorption and heme degradation to those of storage and utilization. Serum transferrin may also have a further role in stimulating cell proliferation.
Molecular Weight:	77064
UniProt:	P02787
Pathways:	Transition Metal Ion Homeostasis

Application Details

Application Notes:	WB: 1:2000. IHC-P: 1:25. FC: 1:25
Restrictions:	For Research Use only

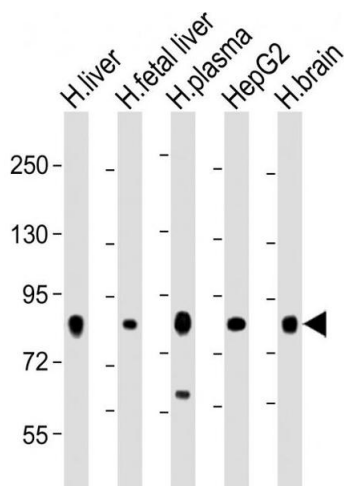
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months



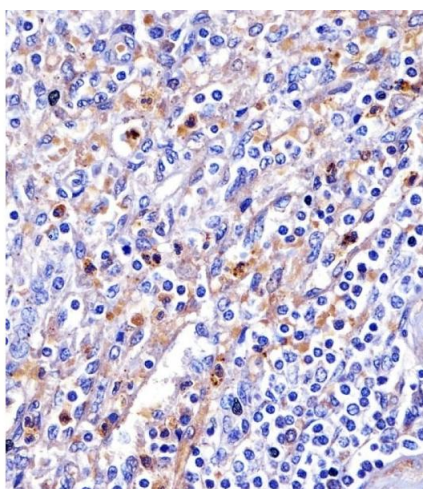
Flow Cytometry

Image 1. Overlay histogram showing HepG2 cells stained with (ABIN6244292 and ABIN6578679) (green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then incubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN6244292 and ABIN6578679), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OE188374) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.



Western Blotting

Image 2. All lanes : Anti-Transferrin Antibody at 1:2000 dilution Lane 1: human liver lysate Lane 2: human fetal liver lysate Lane 3: human plasma lysate Lane 4: HepG2 whole cell lysate Lane 5: human brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 77 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. (ABIN6244292 and ABIN6578679) staining Transferrin in human spleen tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3 % BSA for 0.5 hour at room temperature, antigen retrieval was by heat mediation with a citrate buffer (pH 6). Samples were incubated with primary antibody (1/25) for 1 hour at 37 °C. A undiluted biotinylated goat polyvalent antibody was used as the

secondary antibody.