10320 Camino Santa Fe, Suite G
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Transferrin Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22129a

Specification

Transferrin Antibody - Product Information

Application	**WB, IF,E**
Primary Accession	P02787
Other Accession	A5A6I6
Reactivity	**Human**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**77064**

Transferrin Antibody - Additional Information

Gene ID 7018

Other Names
Serotransferrin, Transferrin, Beta-1 metal-binding globulin, Siderophilin, TF

Target/Specificity
This Transferrin antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 101-135 amino acids from human Transferrin.

Dilution
WB~~1:2000
IF~~1:25
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Transferrin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Transferrin Antibody - Protein Information

Name TF (HGNC:11740)

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. (Microbial infection) Serves as an iron source for parasite T.brucei (strain 427), which capture TF via its own transferrin receptor ESAG6:ESAG7 and extract its iron for its own use.

Cellular Location
Secreted.

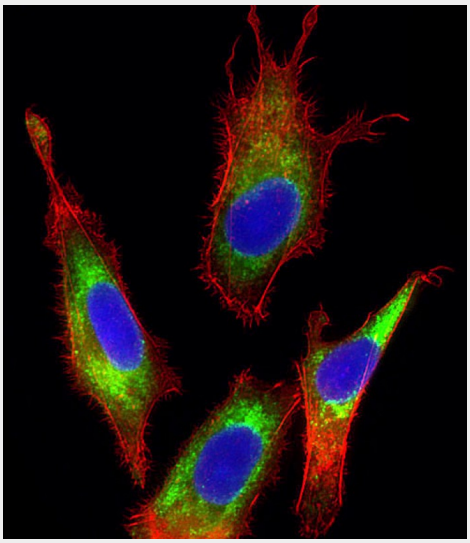
Tissue Location
Expressed by the liver and secreted in plasma.

Transferrin Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Transferrin Antibody - Images



Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HepG2 (human liver hepatocellular carcinoma cell line) cells labeling Transferrin with AP22119a at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-rabbit IgG (NK179883) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm staining on HepG2 cell line. The nuclear counter stain is DAPI (blue).

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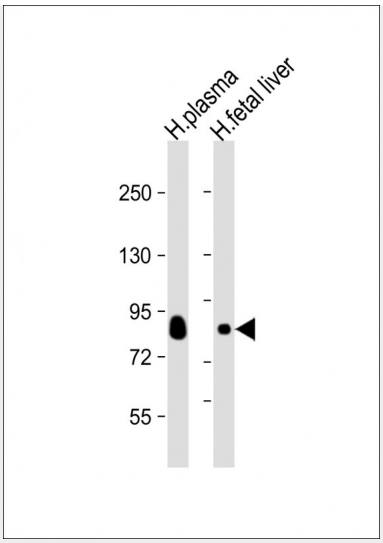
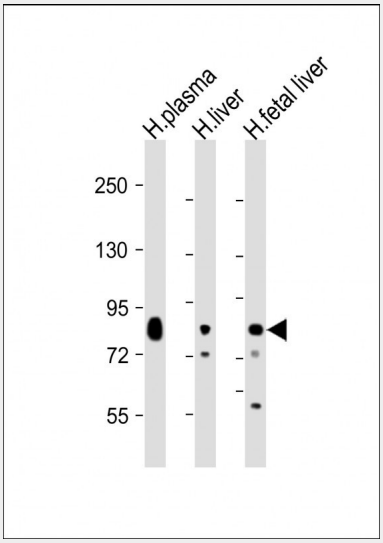


All lanes : Anti-Transferrin Antibody at 1:2000 dilution Lane 1: human plasma lysate Lane 2: human fetal liver lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 77kDa Blocking/Dilution buffer: 5% NFDM/TBST.



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Transferrin Antibody - References

Yang F.,et al.Proc. Natl. Acad. Sci. U.S.A. 81:2752-2756(1984).
Schaeffer E.,et al.Gene 56:109-116(1987).
Hershberger C.L.,et al.Ann. N. Y. Acad. Sci. 646:140-154(1991).

Beutler E.,et al.Blood 96:4071-4074(2000).
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