

Product datasheet

Anti-Transferrin antibody ab19177

1 Image

Overview

Product name	Anti-Transferrin antibody
Description	Goat polyclonal to Transferrin
Host species	Goat
Tested applications	Suitable for: IHC-P, ELISA, WB, ICC
Species reactivity	Reacts with: Human
Immunogen	Full length native protein (purified) (Human).
Positive control	IHC-P: human tissue liver sections

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.1% Sodium Azide Constituents: PBS, pH 7.2
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab19177** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

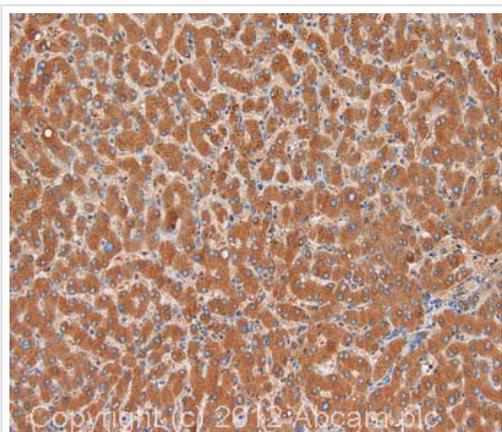
Application	Abreviews	Notes
IHC-P		Use a concentration of 1 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
ELISA		1/100 - 1/1000. 1000 - 1/30000 (primary)
WB		1/1000 - 1/10000. Predicted molecular weight: 77 kDa. 1/1000 - 1/30000 (Chemiluminescent detection)

Application	Abreviews	Notes
ICC		1/200 - 1/2000.

Target

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.
Tissue specificity	Expressed by the liver and secreted in plasma.
Involvement in disease	Defects in TF are the cause of atransferrinemia (ATRAF) [MIM:209300]. Atransferrinemia is rare autosomal recessive disorder characterized by iron overload and hypochromic anemia.
Sequence similarities	Belongs to the transferrin family. Contains 2 transferrin-like domains.
Cellular localization	Secreted.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Transferrin antibody (ab19177)

IHC image of Transferrin staining in human normal liver formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol B. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab19177, 1µg/ml, for 15 mins at room temperature. A donkey anti-goat biotinylated secondary antibody was used to detect the primary, and visualized using an HRP conjugated ABC system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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