

## Product datasheet

# HRP Anti-Transferrin antibody [EPR2932(2)] - Serum Loading Control ab185070

Recombinant RabMAb

[1 References](#) [3 Images](#)

### Overview

<b>Product name</b>	HRP Anti-Transferrin antibody [EPR2932(2)] - Serum Loading Control
<b>Description</b>	HRP Rabbit monoclonal [EPR2932(2)] to Transferrin - Serum Loading Control
<b>Host species</b>	Rabbit
<b>Conjugation</b>	HRP
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Does not react with:</b> Mouse, Rat
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	Liver tissue. Fetal liver or prostate cancer lysate. IHC-P: cancerous human liver
<b>General notes</b>	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Store In the Dark.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.1% Proclin 300 Solution Constituents: PBS, 1% BSA, 30% Glycerol (glycerin, glycerine)
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal

**Clone number**                      EPR2932(2)  
**Isotype**                                IgG

## Applications

**The Abpromise guarantee**            Our **Abpromise guarantee** covers the use of ab185070 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 10 µg/ml. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol. <b>ab199507</b> - Rabbit monoclonal IgG (HRP), is suitable for use as an isotype control with this antibody.
WB		1/5000. Detects a band of approximately 82 kDa (predicted molecular weight: 77 kDa).

## 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.

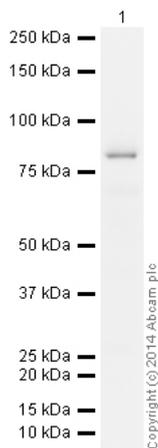
**Tissue specificity**                        Expressed by the liver and secreted in plasma.

**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



Western blot - HRP Anti-Transferrin antibody [EPR2932(2)] - Serum Loading Control (ab185070)

HRP Anti-Transferrin antibody [EPR2932(2)] - Serum Loading Control (ab185070) at 1/5000 dilution + Human prostate tumor tissue lysate (adenocarcinoma) - total protein ([ab30305](#)) at 10 µg

Developed using the ECL technique.

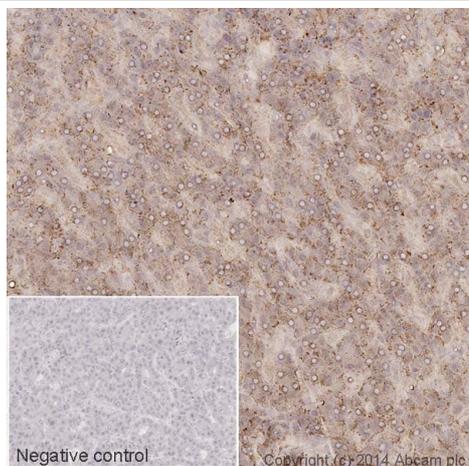
Performed under reducing conditions.

**Predicted band size:** 77 kDa

**Observed band size:** 82 kDa

**Exposure time:** 30 seconds

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 5% Bovine Serum Albumin before being incubated with ab185070 overnight at 4°C. Antibody binding was visualised using ECL development solution [ab133406](#).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - HRP Anti-Transferrin antibody [EPR2932(2)] - Serum Loading Control (ab185070)

IHC image of Transferrin staining in a section of formalin-fixed paraffin-embedded cancerous human liver\*. The section was pre-treated using pressure cooker heat mediated antigen retrieval with sodium citrate buffer (pH6) for 30mins, and incubated overnight at +4°C with ab185070 at 10µg/ml. DAB was used as the chromogen ([ab103723](#)), diluted 1/100 and incubated for 10min at room temperature. The section was counterstained with haematoxylin and mounted with DPX. The inset negative control image is taken from an identical assay without primary antibody.

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.

\*Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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