

# Anti-Transferrin antibody [EPR2932(2)] - Serum Loading Control ab109503

重组 RabMAb

★★★★★ [2 Abreviews](#) [6 References](#) [6 图像](#)

### 概述

产品名称	Anti-Transferrin抗体[EPR2932(2)] - Serum Loading Control
描述	兔单克隆抗体[EPR2932(2)] to Transferrin - Serum Loading Control
宿主	Rabbit
经测试应用	<b>适用于:</b> Flow Cyt (Intra), WB, IHC-P <b>不适用于:</b> ICC or IP
种属反应性	<b>与反应:</b> Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Human plasma lysates; IHC-P: human liver tissue; Flow Cyt (intra): HepG2 cells.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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> <p>For more information <a href="#">see here</a>.</p> <p>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>.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
纯度	Protein A purified

克隆 单克隆  
 克隆编号 EPR2932(2)  
 同种型 IgG

## 应用

**The Abpromise guarantee** **Abpromise™** 承诺保证使用ab109503于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		1/50.
WB	★★★★★ (2)	1/1000 - 1/10000. Predicted molecular weight: 77 kDa.
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol. Heat up to 98 degrees C, below boiling, and then let cool for 10-20 min. See <a href="#">IHC antigen retrieval protocols</a> .

应用说明 Is unsuitable for ICC or IP.

## 靶标

**功能** 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.

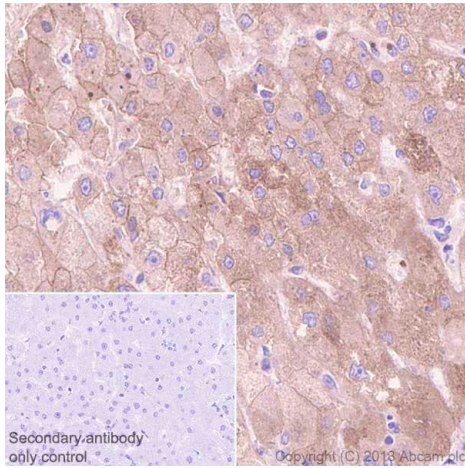
**组织特异性** Expressed by the liver and secreted in plasma.

**疾病相关** Defects in TF are the cause of atransferrinemia (ATRAF) [MIM:209300]. Atransferrinemia is rare autosomal recessive disorder characterized by iron overload and hypochromic anemia.

**序列相似性** Belongs to the transferrin family.  
Contains 2 transferrin-like domains.

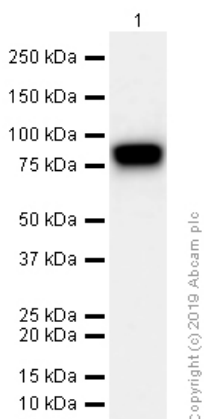
**细胞定位** Secreted.

## 图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Transferrin antibody [EPR2932(2)] - Serum Loading Control (ab109503)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human liver tissue sections labeling Transferrin with Purified ab109503 at 1:300 dilution (2.19 µg/ml). Perform heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0). Purified ImmunoHistoProbe one step HRP Polymer (ready to use) was used for detection. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



Western blot - Anti-Transferrin antibody [EPR2932(2)] - Serum Loading Control (ab109503)

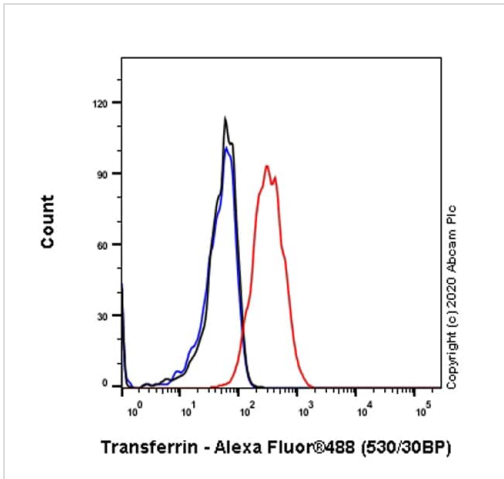
Anti-Transferrin antibody [EPR2932(2)] - Serum Loading Control (ab109503) at 1/10000 dilution (Purified) + Human plasma lysates at 15 µg

**Secondary**

Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

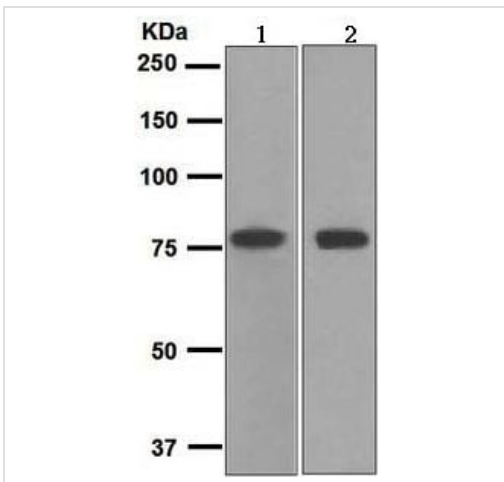
**Predicted band size:** 77 kDa

**Observed band size:** 77 kDa



Flow Cytometry (Intracellular) - Anti-Transferrin antibody [EPR2932(2)] - Serum Loading Control (ab109503)

Intracellular flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized HepG2 (Human hepatocellular carcinoma epithelial cell) cells labelling Transferrin with ab109503 at 1/50 dilution (1µg) (Red) compared with a Rabbit monoclonal IgG (**ab172730**) (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) at 1/2000 dilution was used as the secondary antibody.



Western blot - Anti-Transferrin antibody [EPR2932(2)] - Serum Loading Control (ab109503)

**All lanes** : Anti-Transferrin antibody [EPR2932(2)] - Serum Loading Control (ab109503) at 1/1000 dilution (unpurified)

**Lane 1** : fetal liver lysate

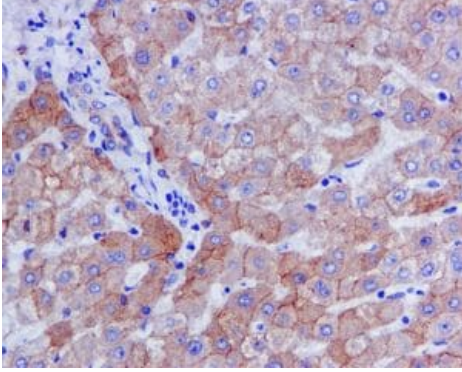
**Lane 2** : prostate cancer lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes** : Standard HRP labelled goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 77 kDa




Immunohistochemical analysis of Transferrin expression in formalin-fixed, paraffin-embedded Human liver tissue, using unpurified ab109503 at 1/250 dilution.

Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Transferrin antibody [EPR2932(2)] - Serum Loading Control (ab109503)

### Why choose a recombinant antibody?

 <b>Research with confidence</b> Consistent and reproducible results	 <b>Long-term and scalable supply</b> Recombinant technology
 <b>Success from the first experiment</b> Confirmed specificity	 <b>Ethical standards compliant</b> 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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