

# Anti-Hemopexin antibody [EPR5610] - BSA and Azide free ab226099

Recombinant RabMAb

6 Images

## Overview

Product name	Anti-Hemopexin antibody [EPR5610] - BSA and Azide free
Description	Rabbit monoclonal [EPR5610] to Hemopexin - BSA and Azide free
Host species	Rabbit
Tested applications	<b>Suitable for:</b> ICC/IF, WB, IP, IHC-P, Flow Cyt (Intra)
Species reactivity	<b>Reacts with:</b> Human <b>Does not react with:</b> Mouse, Rat
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Human liver tissue. Flow Cyt (intra): HepG2 cells. ICC/IF: HepG2 cells
General notes	<p>ab226099 is the carrier-free version of <a href="#">ab124935</a>.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <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>

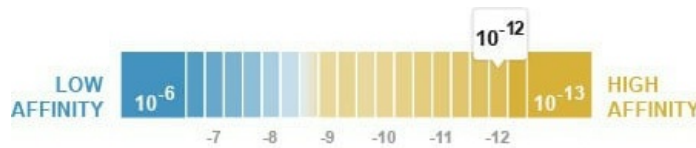
## Properties

### Storage instructions

Shipped at 4°C. Store at +4°C. Do Not Freeze.

### Dissociation constant ( $K_D$ )

$K_D = 8.30 \times 10^{-12}$  M



[Learn more about  \$K\_D\$](#)

### Storage buffer

pH: 7.2

Constituent: PBS

### Carrier free

Yes

### Purity

Protein A purified

### Clonality

Monoclonal

### Clone number

EPR5610

### Isotype

IgG

## Applications

### The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab226099 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
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 70-75 kDa (predicted molecular weight: 52 kDa).
IP		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
Flow Cyt (Intra)		Use at an assay dependent concentration.

## Target

### Function

Binds heme and transports it to the liver for breakdown and iron recovery, after which the free hemopexin returns to the circulation.

### Tissue specificity

Expressed by the liver and secreted in plasma.

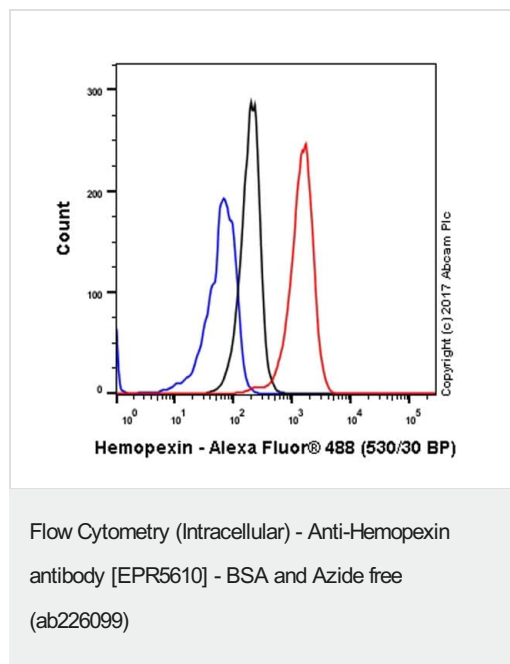
### Sequence similarities

Belongs to the hemopexin family.  
Contains 5 hemopexin-like domains.

### Post-translational modifications

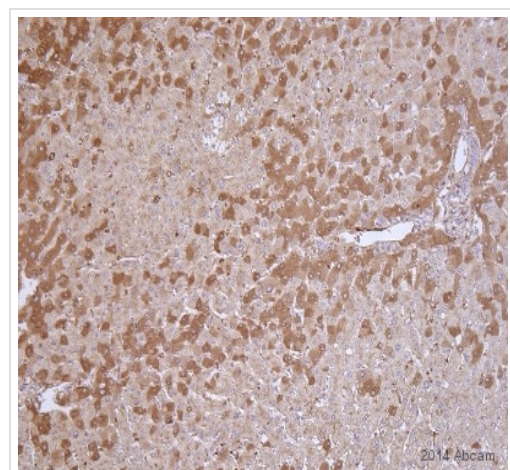
N- and O-glycosylated. O-glycosylated with core 1 or possibly core 8 glycans.

## Images



Intracellular Flow Cytometry analysis of HepG2 (Human hepatocellular carcinoma epithelial cell) cells labeling Hemopexin (red) with **ab124935** at a 1/200 dilution. Cells were fixed with 4% paraformaldehyde and permeabilized with 90% methanol. A goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) was used as the secondary antibody at a 1/2000 dilution. Black - Rabbit monoclonal IgG (Black) (**ab172730**). Blue (unlabeled control) - Cell without incubation with primary antibody and secondary antibody (Blue).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab124935**)

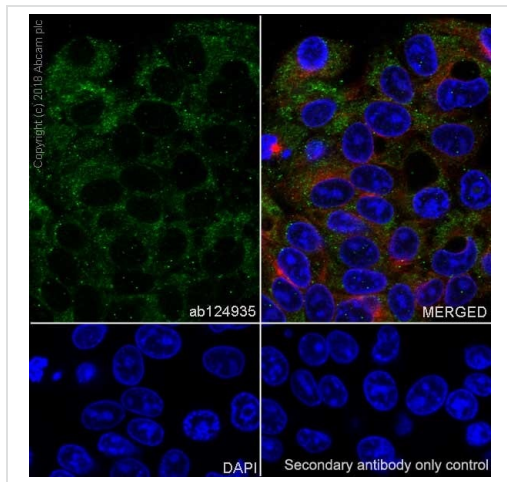


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hemopexin antibody [EPR5610] - BSA and Azide free (ab226099)

This image is courtesy of an Abreview submitted by Steffen Rickelt

**ab124935** staining Hemopexin in human liver tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde, permeabilized with 0.2% Triton X-100 in PBS and blocked with 5% milk for 30 minutes at room temperature; antigen retrieval was by heat mediation in Tris pH 9.0. Samples were incubated with primary antibody (1/200 in PBS) for 16 hours at 4°C. An undiluted Biotin-conjugated goat anti-rabbit IgG polyclonal was used as the secondary antibody.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab124935**).



Immunocytochemistry/ Immunofluorescence - Anti-Hemopexin antibody [EPR5610] - BSA and Azide free (ab226099)

This data was developed using the same antibody clone in a different buffer formulation (**ab124935**).

Immunocytochemistry analysis of HepG2 (human hepatocellular carcinoma epithelial cell) labeling Hemopexin with purified **ab124935** at 1/200 dilution (10 µg/ml). Cells were fixed with 100% methanol. Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) at 1/1000 (2 µg/ml) was used as the secondary antibody. **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.8 µg/ml) was used as counterstain. Nuclei were stained blue with DAPI.

Negative control: PBS instead of the primary antibody.

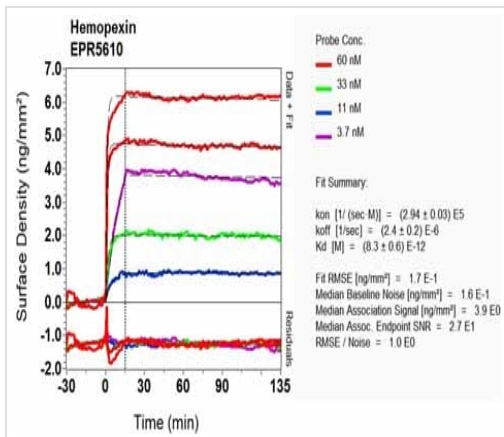


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hemopexin antibody [EPR5610] - BSA and Azide free (ab226099)

**ab124935**, at 1/250 dilution, staining Hemopexin in paraffin-embedded Human liver tissue by Immunohistochemistry.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab124935**).

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



SPR Scanning - Anti-Hemopexin antibody  
[EPR5610] - BSA and Azide free (ab226099)

Equilibrium dissociation constant ( $K_D$ )

Learn more about  $K_D$

[Click here to learn more about  \$K\_D\$](#)

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab124935](#)).

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

Anti-Hemopexin antibody [EPR5610] - BSA and  
Azide free (ab226099)

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

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

## Terms and conditions

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors