

Product datasheet

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	Suitable for: Flow Cyt, WB, IP, IHC-P, ICC
Species reactivity	Reacts with: Human Does not react with: Mouse, Rat
Immunogen	Synthetic peptide within Human Hemopexin aa 400-500. The exact sequence is proprietary.
Positive control	IHC-P: Human liver tissue. Flow Cyt: HepG2 cells. ICC: HepG2 cells
General notes	Ab226099 is the carrier-free version of ab124935 . This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.

Our [carrier-free formats](#) are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency.

Use our [conjugation kits](#) for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

ab226099 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm.

Maxpar® is a trademark of Fluidigm Canada Inc.

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#).

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

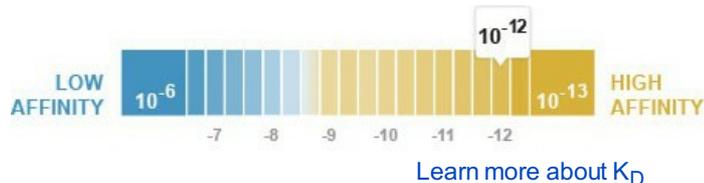
Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

Properties

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

Dissociation constant (K_D) K_D = 8.30 x 10⁻¹² M



Storage buffer pH: 7.2
Constituent: PBS

Carrier free Yes

Purity Protein A purified

Clonality Monoclonal

Clone number EPR5610

Isotype IgG

Applications

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.

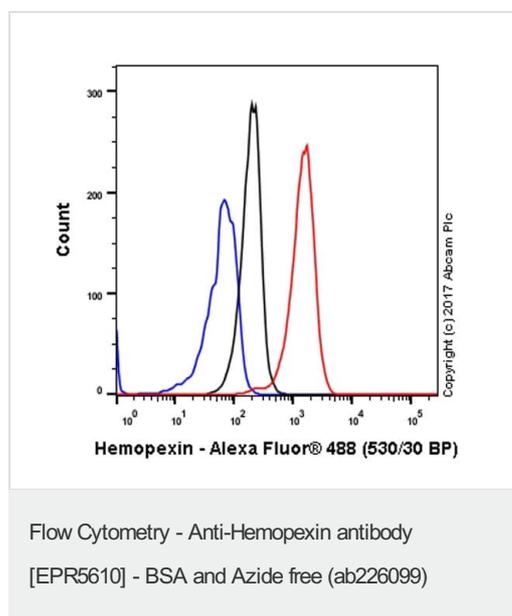
Application	Abreviews	Notes
Flow Cyt		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 70-75 kDa (predicted molecular weight: 52 kDa).

Application	Abreviews	Notes
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.
ICC		Use at an assay dependent concentration.

Target

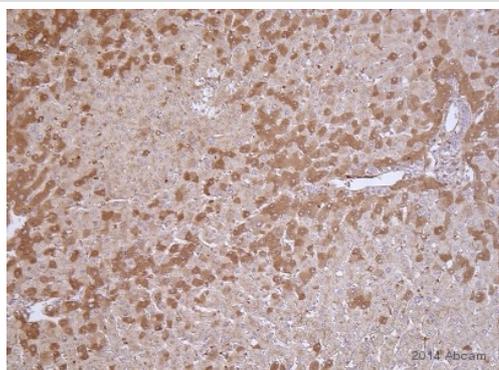
Function	Binds heme and transports it to the liver for breakdown and iron recovery, after which the free hemopexin returns to the circulation.
Tissue specificity	Expressed by the liver and secreted in plasma.
Sequence similarities	Belongs to the hemopexin family. Contains 5 hemopexin-like domains.
Post-translational modifications	N- and O-glycosylated. O-glycosylated with core 1 or possibly core 8 glycans.
Cellular localization	Secreted.

Images



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](#))

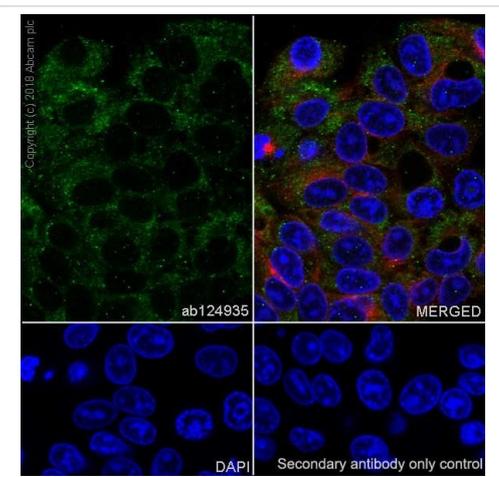


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hemopexin antibody [EPR5610] - BSA and Azide free (ab226099)

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 - 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.

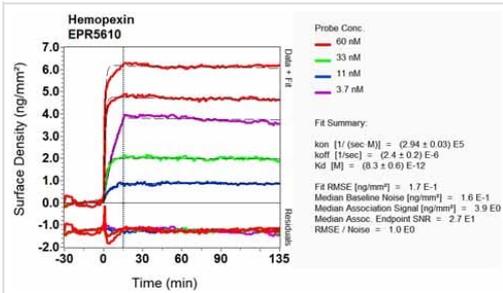


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hemopexin antibody [EPR5610] - BSA and Azide free (ab226099)

[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.



OxLD 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"

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