

Product datasheet

Anti-Haptoglobin antibody [HG-36] ab13429

★★★★★ 5 Abreviews 10 References 3 Images

Overview

| | |
|----------------------------|---|
| Product name | Anti-Haptoglobin antibody [HG-36] |
| Description | Mouse monoclonal [HG-36] to Haptoglobin |
| Host species | Mouse |
| Tested applications | Suitable for: WB, ELISA, IHC-P, ICC/IF, Dot blot |
| Species reactivity | Reacts with: Human |
| Immunogen | Full length native protein (Purified haptoglobin types 1-1, 2-1, and 2-2 from pooled human plasma). |
| General notes | This product was changed from ascites to tissue culture supernatant on 17 May 2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team. |

Properties

| | |
|-----------------------------|--|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| Storage buffer | Preservative: 0.097% Sodium azide Constituent: Ascites |
| Purity | Tissue culture supernatant |
| Clonality | Monoclonal |
| Clone number | HG-36 |
| Isotype | IgG1 |

Applications

Our [Abpromise guarantee](#) covers the use of **ab13429** 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 |
|-------------|-----------|--|
| WB | ★★★★★ | Use at an assay dependent concentration. Use under non reducing condition. |
| ELISA | | Use at an assay dependent concentration. |
| IHC-P | ★★★★★ | Use at an assay dependent concentration. See Abreview. |
| ICC/IF | ★★★★★ | Use at an assay dependent concentration. |
| Dot blot | | Use at an assay dependent concentration. |

Target

Function

As a result of hemolysis, hemoglobin is found to accumulate in the kidney and is secreted in the urine. Haptoglobin captures, and combines with free plasma hemoglobin to allow hepatic recycling of heme iron and to prevent kidney damage. Haptoglobin also acts as an Antimicrobial; Antioxidant, has antibacterial activity and plays a role in modulating many aspects of the acute phase response. Hemoglobin/haptoglobin complexes are rapidly cleared by the macrophage CD163 scavenger receptor expressed on the surface of liver Kupfer cells through an endocytic lysosomal degradation pathway.

Uncleaved haptoglobin, also known as zonulin, plays a role in intestinal permeability, allowing intercellular tight junction disassembly, and controlling the equilibrium between tolerance and immunity to non-self antigens.

Tissue specificity

Expressed by the liver and secreted in plasma.

Involvement in disease

Anhaptoglobinemia

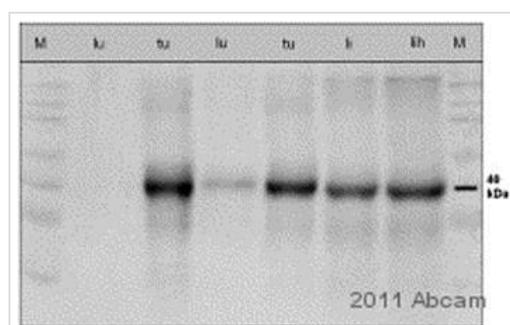
Sequence similarities

Belongs to the peptidase S1 family.
Contains 1 peptidase S1 domain.
Contains 2 Sushi (CCP/SCR) domains.

Cellular localization

Secreted.

Images

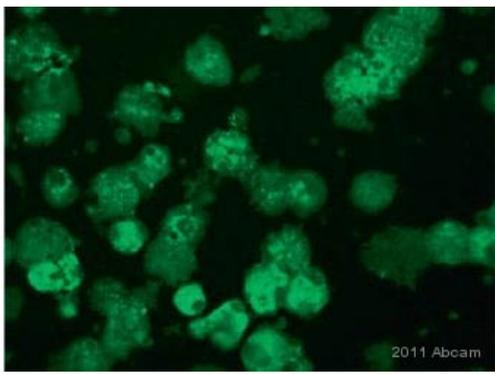


Western blot - Anti-Haptoglobin antibody [HG-36]
(ab13429)

This image is courtesy of an anonymous Abreview.

ab13429 used in Western Blot. Tissue lysate was obtained from HOPE-fixed paraffin-embedded blocks of human lung, lung cancer and liver tissue, loaded at 30µg/ml. ab13429 used at a 1/100 dilution. Secondary used was an alkaline phosphatase goat anti-mouse polyclonal used at a 1/10000 dilution.

This image was generated using the ascites version of the product.

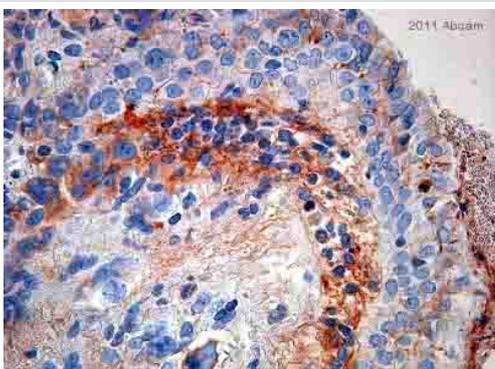


Immunocytochemistry/ Immunofluorescence - Anti-Haptoglobin antibody [HG-36] (ab13429)

This image is courtesy of an anonymous Abreview.

ab13429 staining Haptoglobin in human bronchoalveolar lavage cells by Immunocytochemistry/ Immunofluorescence. Cells were fixed in HOPE, blocked for 5 minutes at 25°C, then incubated with ab13429 at a 1/100 for 1 hour at 25°C. The secondary used was an Alexa-Fluor 488 conjugated goat anti-mouse polyclonal used at a 1/200 dilution. Counterstained with DAPI.

This image was generated using the ascites version of the product.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Haptoglobin antibody [HG-36] (ab13429)

This image is courtesy of an anonymous Abreview.

ab13429 staining Haptoglobin in human lung cancer tissue by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections). Tissue was fixed with HOPE, blocked for 5 minutes at 25°C, then incubated with ab13429 at a 1/100 dilution for 1 hour at 25°C. The secondary used was an undiluted HRP conjugated goat polyclonal.

This image was generated using the ascites version of the product.

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