

Product datasheet

Anti-Ahsp antibody [EPR12319] ab180861

Recombinant RabMAb

★★★★★ 1 Abreviews 5 Images

Overview

| | |
|----------------------------|--|
| Product name | Anti-Ahsp antibody [EPR12319] |
| Description | Rabbit monoclonal [EPR12319] to Ahsp |
| Host species | Rabbit |
| Tested applications | Suitable for: WB, IHC-P, IP Unsuitable for: ICC |
| Species reactivity | Reacts with: Human |
| Immunogen | Synthetic peptide (the amino acid sequence is considered to be commercially sensitive) within Human Ahsp aa 50 to the C-terminus. The exact sequence is proprietary. Database link: Q9NZD4 |
| Positive control | Human fetal liver lysate; Human fetal spleen tissue, Human lung tissue. |
| General notes | <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> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.</p> <p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and</p> |

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

| | |
|-----------------------------|---|
| Form | Liquid |
| Storage instructions | 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. |
| Storage buffer | pH: 7.20 Constituents: 0.35% Sodium citrate, 0.17% Sodium chloride, 0.03% EDTA, 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA |
| Purity | Protein A purified |
| Clonality | Monoclonal |
| Clone number | EPR12319 |
| Isotype | IgG |

Applications

Our [Abpromise guarantee](#) covers the use of **ab180861** 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 | | 1/1000 - 1/5000. Predicted molecular weight: 12 kDa. |
| IHC-P | ★★★★★ | 1/250 - 1/500. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. |
| IP | | 1/10 - 1/100. |

Application notes Is unsuitable for ICC.

Target

Function Act as a chaperone to prevent the harmful aggregation of alpha-hemoglobin during normal

erythroid cell development. Specifically protects free alpha-hemoglobin from precipitation. It is predicted to modulate pathological states of alpha-hemoglobin excess such as beta-thalassemia.

Tissue specificity

Expressed in blood and bone marrow.

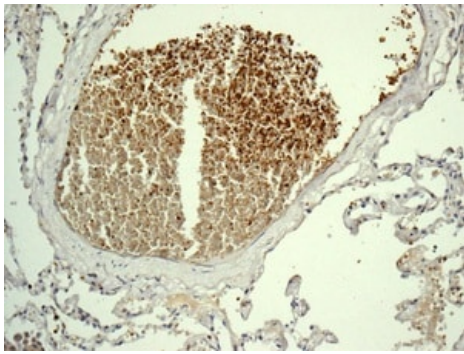
Sequence similarities

Belongs to the AHSP family.

Cellular localization

Cytoplasm.

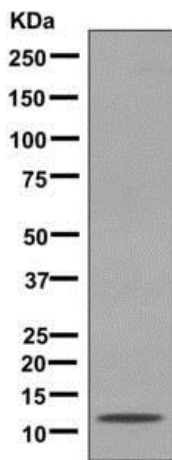
Images



Immunohistochemical analysis of paraffin-embedded Human lung tissue labeling Ahsp with ab180861 at 1/250 dilution.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

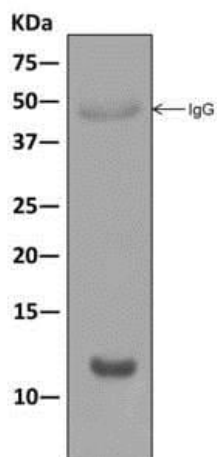
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Ahsp antibody [EPR12319] (ab180861)



Anti-Ahsp antibody [EPR12319] (ab180861) at 1/1000 dilution + Human fetal liver lysate at 10 µg

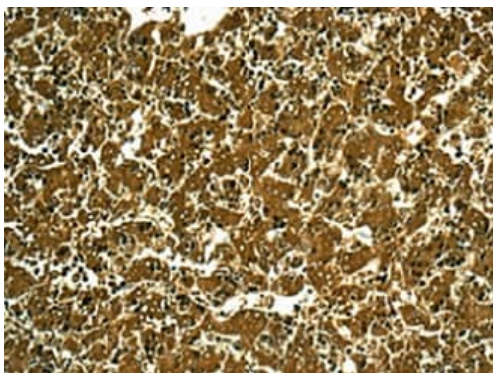
Predicted band size: 12 kDa

Western blot - Anti-Ahsp antibody [EPR12319] (ab180861)



Immunoprecipitation - Anti-Ahsp antibody
[EPR12319] (ab180861)

Western blot analysis of immunoprecipitation pellet from Human fetal liver lysate immunoprecipitated using ab180861 at 1/10 dilution.







Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Ahsp antibody
[EPR12319] (ab180861)

Immunohistochemical analysis of paraffin-embedded Human fetal spleen tissue labeling Ahsp with ab180861 at 1/250 dilution.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Why choose a recombinant antibody?

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

Anti-Ahsp antibody [EPR12319] (ab180861)

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
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- 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.

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