

## Product datasheet

# Anti-Ahsp antibody [EPR12319] ab180861

Recombinant RabMAb

★★★★★ [1 Abreviews](#) [5 Images](#)

### Overview

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<b>Product name</b>	Anti-Ahsp antibody [EPR12319]
<b>Description</b>	Rabbit monoclonal [EPR12319] to Ahsp
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, IP <b>Unsuitable for:</b> ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	Human fetal liver lysate; Human fetal spleen tissue, Human lung tissue.
<b>General notes</b>	<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>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.20 Constituents: 0.35% Sodium citrate, 0.17% Sodium chloride, 0.03% EDTA, 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal

**Clone number**                      EPR12319  
**Isotype**                                IgG

## Applications

**The Abpromise guarantee**        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)	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/IF.

## Target

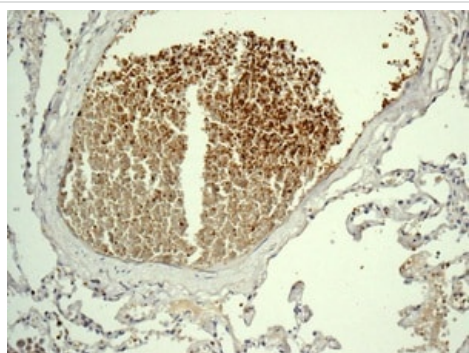
**Function**                                Act as a chaperone to prevent the harmful aggregation of alpha-hemoglobin during normal erythroid cell development. Specifically protects free alpha-hemoglobin from precipitation. It is predicted to modulate pathological states of alpha-hemoglobin excess such as beta-thalassemia.

**Tissue specificity**                    Expressed in blood and bone marrow.

**Sequence similarities**                Belongs to the AHSP family.

**Cellular localization**                Cytoplasm.

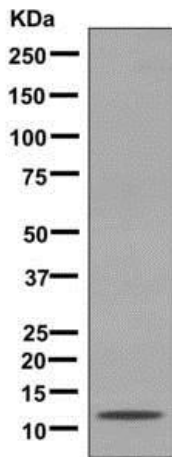
## Images



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.

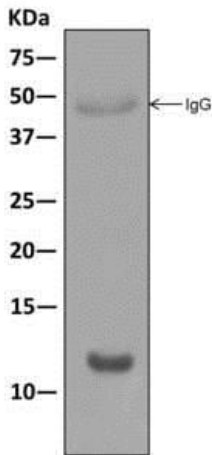
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Ahsp antibody [EPR12319] (ab180861)



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

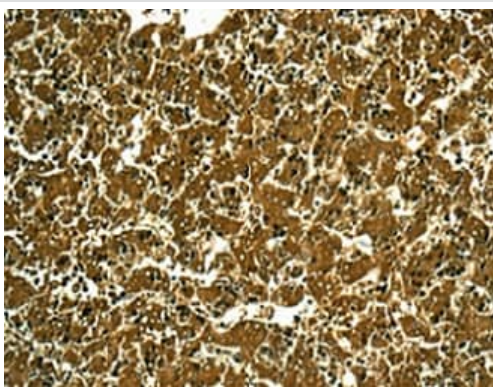
Anti-Ahsp antibody [EPR12319] (ab180861) at 1/1000 dilution + Human fetal liver tissue lysate at 10 µg

**Predicted band size:** 12 kDa



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

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

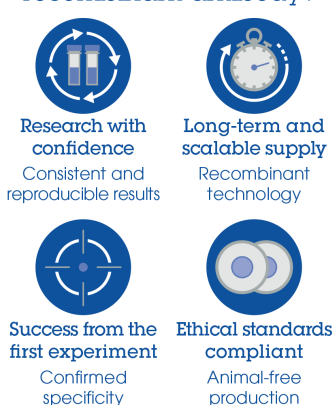


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Ahsp antibody [EPR12319] (ab180861)

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?



- 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-Ahsp antibody [EPR12319] (ab180861)

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

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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

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