



## Product datasheet

### Anti-Ahsp antibody ab231040

5 Images

#### Overview

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<b>Product name</b>	Anti-Ahsp antibody
<b>Description</b>	Rabbit polyclonal to Ahsp
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat
<b>Immunogen</b>	Recombinant full length protein corresponding to Rat Ahsp aa 1 to the C-terminus. (N-terminal His-tag and GST-tag. Expressed in E.coli). Database link: <a href="#">A9UMW3</a>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Positive control</b>	WB: Recombinant rat Ahsp protein. Rat and mouse liver lysates. IHC-P: Rat stomach, liver and kidney tissues.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>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, along with publications, customer reviews and Q&amp;As</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: 7.40 Preservative: 0.011% Proclin 300 Constituents: 55.77% Glycerol (glycerin, glycerine), 44.219% PBS
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	ab231040 was purified by antigen-specific affinity chromatography followed by Protein A affinity chromatography.
<b>Clonality</b>	Polyclonal

Isotype

IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab231040 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 a concentration of 0.5 - 5 µg/ml. Predicted molecular weight: 12 kDa.
IHC-P		Use a concentration of 5 - 20 µg/ml.

## 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.

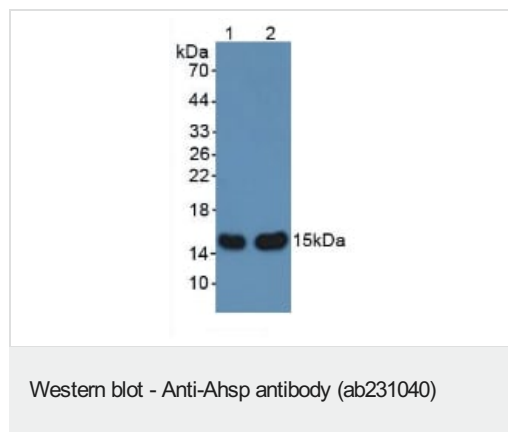
### Sequence similarities

Belongs to the AHSP family.

### Cellular localization

Cytoplasm.

## Images



**All lanes** : Anti-Ahsp antibody (ab231040) at 3 µg/ml

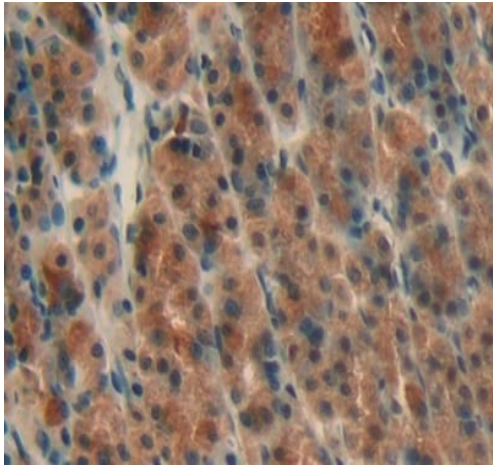
**Lane 1** : Rat liver lysate

**Lane 2** : Mouse liver lysate

### Secondary

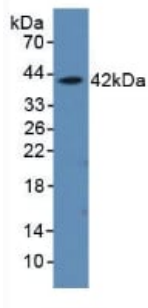
**All lanes** : HRP-linked Guinea pig Anti-Rabbit IgG at 1/2000 dilution

**Predicted band size:** 12 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Ahsp antibody (ab231040)

Paraffin-embedded rat stomach tissue stained for Ahsp with ab231040 at 20  $\mu\text{g/ml}$  in immunohistochemical analysis. DAB staining.



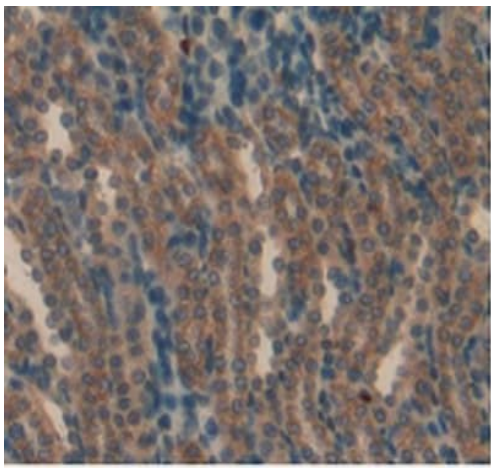
Western blot - Anti-Ahsp antibody (ab231040)

Anti-Ahsp antibody (ab231040) at 3  $\mu\text{g/ml}$  + Recombinant rat Ahsp protein

**Secondary**

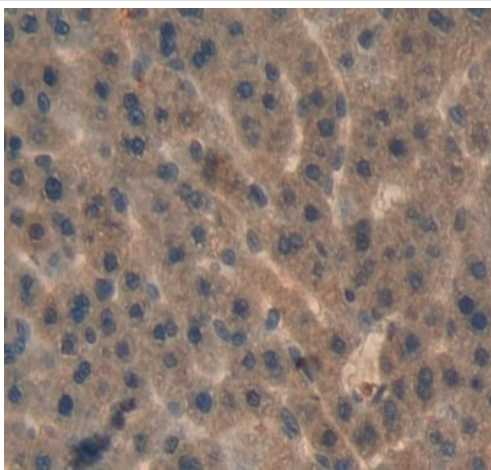
HRP-Linked Guinea pig Anti-Rabbit antibody at 1/2000 dilution

**Predicted band size:** 12 kDa



Paraffin-embedded rat kidney tissue stained for Ahsp with ab231040 at 20 µg/ml in immunohistochemical analysis. DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Ahsp antibody (ab231040)



Paraffin-embedded rat liver tissue stained for Ahsp with ab231040 at 10 µg/ml in immunohistochemical analysis. DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Ahsp antibody (ab231040)

**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**

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- 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

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