

# Anti-Hemoglobin subunit alpha antibody [SP212] - BSA and Azide free ab240408

Recombinant RabMAb

4 Images

## Overview

<b>Product name</b>	Anti-Hemoglobin subunit alpha antibody [SP212] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [SP212] to Hemoglobin subunit alpha - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<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>	WB: Human heart tissue lysate. IHC-P: Human placenta, spleen and skeletal muscle tissue.
<b>General notes</b>	<p>ab240408 is the carrier-free version of <a href="#">ab227671</a>.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <a href="#">conjugation kits</a> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <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><b>This product is FOR RESEARCH USE ONLY. For commercial use, please contact <a href="mailto:partnerships@abcam.com">partnerships@abcam.com</a>.</b></p>

## Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
<b>Storage buffer</b>	pH: 7.20 Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A/G purified
<b>Purification notes</b>	Purified from TCS by protein A/G.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	SP212
<b>Isotype</b>	IgG

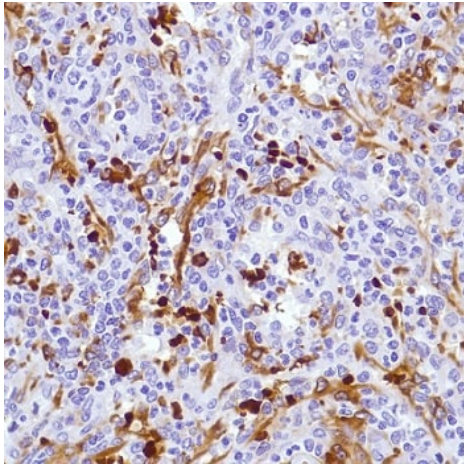
## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab240408 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
<b>WB</b>		Use at an assay dependent concentration. Predicted molecular weight: 15 kDa.
<b>IHC-P</b>		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Antigen retrieval: Boil tissue section in 10mM citrate buffer, pH 6.0 for 10 minutes followed by cooling at room temperature for 20 minutes.

## Target

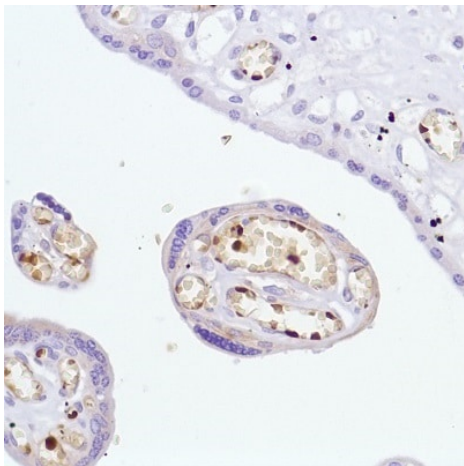
<b>Function</b>	Involved in oxygen transport from the lung to the various peripheral tissues.
<b>Tissue specificity</b>	Red blood cells.
<b>Involvement in disease</b>	Heinz body anemias Alpha-thalassemia Alpha(0)-thalassemia is associated with non-immune hydrops fetalis, a generalized edema of the fetus with fluid accumulation in the body cavities due to non-immune causes. Non-immune hydrops fetalis is not a diagnosis in itself but a symptom, a feature of many genetic disorders, and the end-stage of a wide variety of disorders. Hemoglobin H disease
<b>Sequence similarities</b>	Belongs to the globin family.
<b>Post-translational modifications</b>	The initiator Met is not cleaved in variant Thionville and is acetylated.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hemoglobin subunit alpha antibody [SP212] - BSA and Azide free (ab240408)

Formalin-fixed paraffin-embedded human spleen tissue stained for Hemoglobin subunit alpha with [\*\*ab227671\*\*](#) at 1/100 dilution in immunohistochemical analysis.

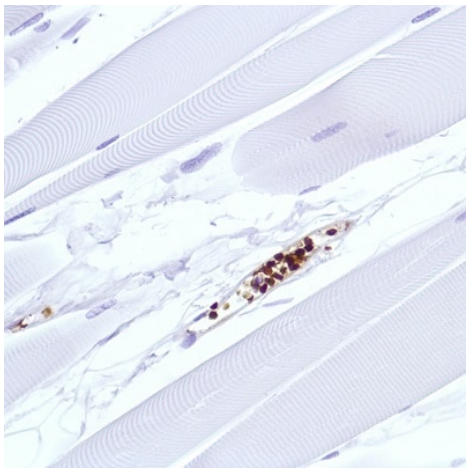
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([\*\*ab227671\*\*](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hemoglobin subunit alpha antibody [SP212] - BSA and Azide free (ab240408)

Formalin-fixed paraffin-embedded human placenta tissue stained for Hemoglobin subunit alpha with [\*\*ab227671\*\*](#) at 1/100 dilution in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, and sodium azide ([\*\*ab227671\*\*](#)).



Formalin-fixed paraffin-embedded human skeletal muscle tissue stained for Hemoglobin subunit alpha with **ab227671** at 1/100 dilution in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab227671**).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hemoglobin subunit alpha antibody [SP212] - BSA and Azide free (ab240408)

#### 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-Hemoglobin subunit alpha antibody [SP212] - BSA and Azide free (ab240408)

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

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