



### Anti-Hemojuvelin antibody [C5] ab239497

6 Images

#### Overview

<b>Product name</b>	Anti-Hemojuvelin antibody [C5]
<b>Description</b>	Mouse monoclonal [C5] to Hemojuvelin
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Rat, Human
<b>Immunogen</b>	Recombinant fragment (His-tag) corresponding to Human Hemojuvelin aa 200 to the C-terminus. N-terminal His-tag (Expressed in E.coli). Database link: <a href="#">Q6ZVN8</a>
	<div>  <a href="#">Run BLAST with</a> </div> <div>  <a href="#">Run BLAST with</a> </div>
<b>Positive control</b>	IHC-P: Human kidney, stomach, glioma and liver tissues. WB: Rat liver lysate; Recombinant human Hemojuvelin protein.
<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

<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>	Protein A/G purified
<b>Purification notes</b>	Purified from TCS.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	C5

<b>Isotype</b>	IgG2b
<b>Light chain type</b>	kappa

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab239497 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

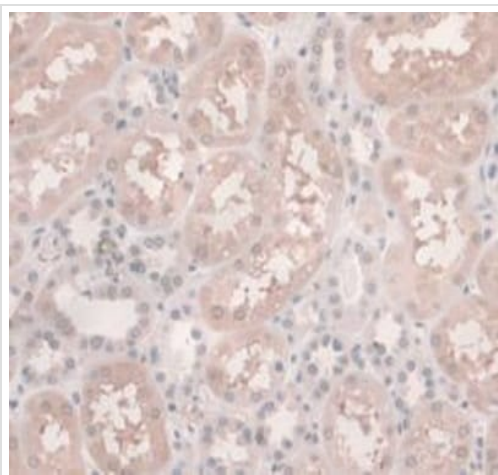
Application	Abreviews	Notes
<b>WB</b>		Use a concentration of 0.5 - 5 µg/ml. Predicted molecular weight: 45 kDa.
<b>IHC-P</b>		Use a concentration of 5 - 30 µg/ml.

## Target

**Relevance** Mutations in Repulsive Guidance Molecule (also known as RGM-C; HJV; hemojuvelin; Hfe2) cause juvenile hemochromatosis, a severe iron overload disease. RGM-C gene expression has been characterized in the developing mouse and found to be exclusively expressed in all striated muscle and in the myocardium.

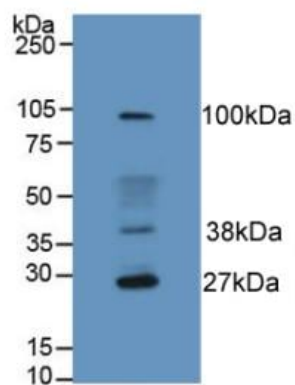
**Cellular localization** Cell membrane; Lipid-anchor, GPI-anchor

## Images



Paraffin-embedded human kidney tissue stained for Hemojuvelin using ab239497 at 30 µg/ml in immunohistochemical analysis. DAB staining. HRP-Goat Anti-Mouse IgG secondary antibody used at 2 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hemojuvelin antibody [C5] (ab239497)



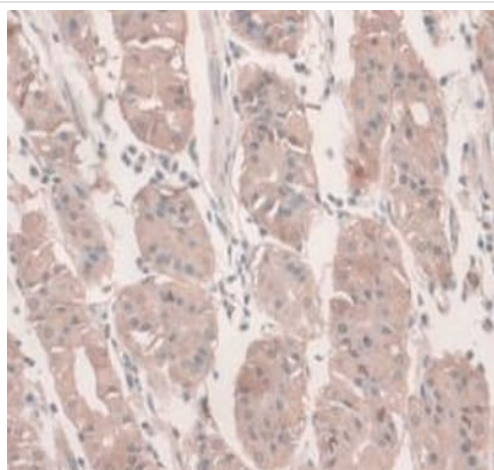
Western blot - Anti-Hemojuvelin antibody [C5]  
(ab239497)

Anti-Hemojuvelin antibody [C5] (ab239497) at 2  $\mu$ g/ml + Rat liver lysate

### Secondary

HRP-Linked Rabbit Anti-Mouse IgG at 1/5000 dilution

**Predicted band size:** 45 kDa



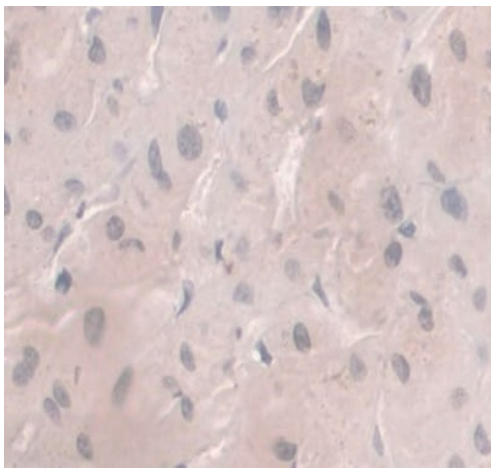
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hemojuvelin antibody [C5] (ab239497)

Paraffin-embedded human stomach tissue stained for Hemojuvelin using ab239497 at 30  $\mu$ g/ml in immunohistochemical analysis. DAB staining. HRP-Goat Anti-Mouse IgG secondary antibody used at 2  $\mu$ g/ml.



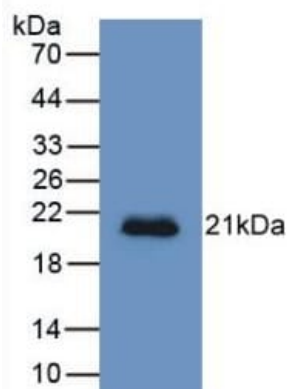
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hemojuvelin antibody [C5] (ab239497)

Paraffin-embedded human glioma tissue stained for Hemojuvelin using ab239497 at 30 µg/ml in immunohistochemical analysis. DAB staining. HRP-Goat Anti-Mouse IgG secondary antibody used at 2 µg/ml.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hemojuvelin antibody [C5] (ab239497)

Paraffin-embedded human liver tissue stained for Hemojuvelin using ab239497 at 30 µg/ml in immunohistochemical analysis. DAB staining. HRP-Goat Anti-Mouse IgG secondary antibody used at 2 µg/ml.



Western blot - Anti-Hemojuvelin antibody [C5]  
(ab239497)

Anti-Hemojuvelin antibody [C5] (ab239497) at 2 µg/ml +  
Recombinant human Hemojuvelin protein

#### Secondary

HRP-Linked Rabbit Anti-Mouse IgG at 1/5000 dilution

**Predicted band size:** 45 kDa

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

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