


Product datasheet

Anti-RHAG antibody [EPR10011] - BSA and Azide free ab249187

Recombinant RabMAb

[7 Images](#)

Overview

Product name	Anti-RHAG antibody [EPR10011] - BSA and Azide free
Description	Rabbit monoclonal [EPR10011] to RHAG - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB Unsuitable for: ICC/IF or IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab249187 is the carrier-free version of ab155094.</p> <p>Our carrier-free 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 conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <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[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] 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">- 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>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR10011
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab249187 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
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Predicted molecular weight: 44 kDa.

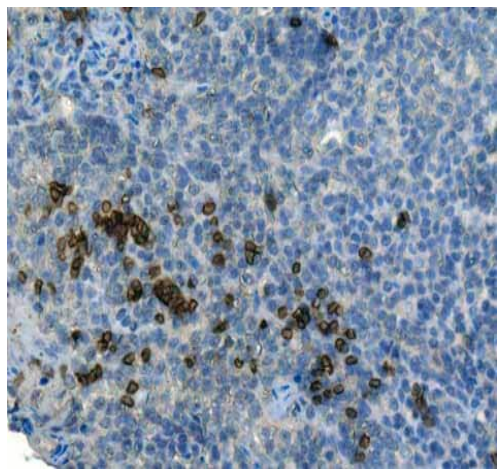
Application notes Is unsuitable for ICC/IF or IP.

Target

Relevance RHAG (Rhesus blood group-associated glycoprotein) is associated with rhesus blood group antigen expression. It may be part of an oligomeric complex which is likely to have a transport or channel function in the erythrocyte membrane. The Rh blood group antigens are associated with human erythrocyte membrane proteins of approximately 30 kD, the so-called Rh30 polypeptides. Heterogeneously glycosylated membrane proteins of 50 and 45 kD, the Rh50 glycoproteins, are coprecipitated with the Rh30 polypeptides on immunoprecipitation with anti-Rh-specific mono- and polyclonal antibodies. The Rh antigens appear to exist as a multisubunit complex of CD47, LW, glycophorin B and play a critical role in the Rh50 glycoprotein.

Cellular localization Cell Membrane; multi-pass membrane protein

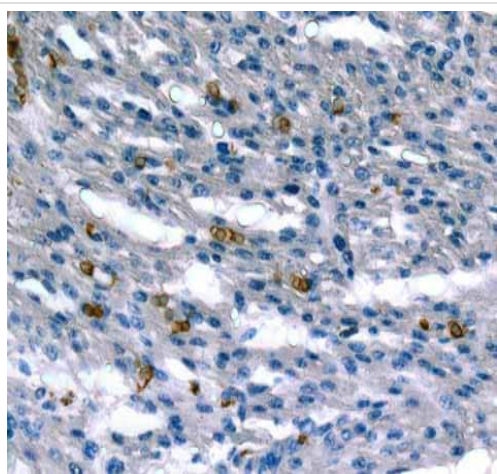
Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RHAG antibody [EPR10011] - BSA and Azide free (ab249187)

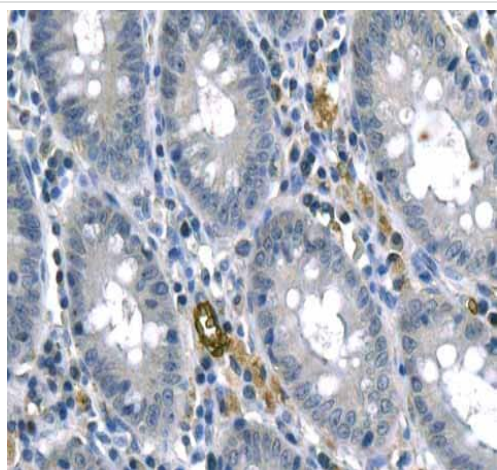
This data was developed using **ab155094**, the same antibody clone in a different buffer formulation.

ab155094 showing +ve staining in Human normal tonsil. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



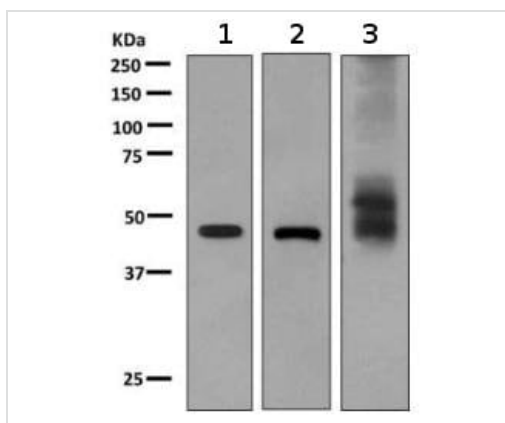
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RHAG antibody [EPR10011] - BSA and Azide free (ab249187)

This data was developed using **ab155094**, the same antibody clone in a different buffer formulation. **ab155094** showing +ve staining in Human normal heart. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RHAG antibody [EPR10011] - BSA and Azide free (ab249187)

This data was developed using **ab155094**, the same antibody clone in a different buffer formulation. **ab155094** showing +ve staining in Human normal colon. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Western blot - Anti-RHAG antibody [EPR10011] - BSA and Azide free (ab249187)

All lanes : Anti-RHAG antibody [EPR10011] (**ab155094**) at 1/1000 dilution

Lane 1 : Human fetal kidney cell lysate

Lane 2 : Human fetal liver cell lysate

Lane 3 : Human bone marrow cell lysate

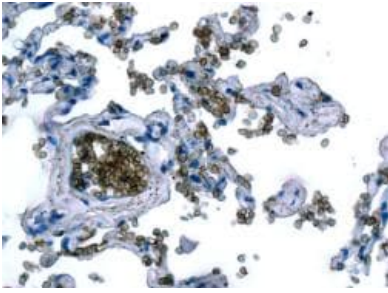
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-rabbit HRP at 1/2000 dilution

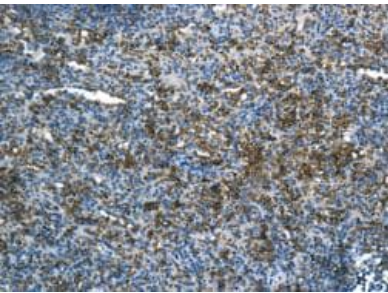
Predicted band size: 44 kDa

This data was developed using **ab155094**, the same antibody clone in a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RHAG antibody [EPR10011] - BSA and Azide free (ab249187)

This data was developed using **ab155094**, the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded Human lung tissue labeling RHAG with **ab155094** at 1/250 dilution. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RHAG antibody [EPR10011] - BSA and Azide free (ab249187)

This data was developed using **ab155094**, the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded Human spleen tissue labeling RHAG with **ab155094** 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-RHAG antibody [EPR10011] - BSA and Azide free (ab249187)

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

Our Promise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- 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

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.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors