

Product datasheet

Anti-GBA2 antibody [4A12] α b252831

Recombinant

3 Images

Overview

Product name	Anti-GBA2 antibody [4A12]
Description	Rat monoclonal [4A12] to GBA2
Host species	Rat
Tested applications	Suitable for: IHC-P Unsuitable for: ICC/IF or IHC-Fr
Species reactivity	Reacts with: Mouse
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Mouse testis and cerebrum tissue.
General notes	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</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>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)
Purity	Protein A purified
Clonality	Monoclonal
Clone number	4A12
Isotype	IgG1

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab252831 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 a concentration of 0.023 µg/ml. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. Heat mediated antigen retrieval using ab93684 .

Application notes

Is unsuitable for ICC/IF or IHC-Fr.

Target

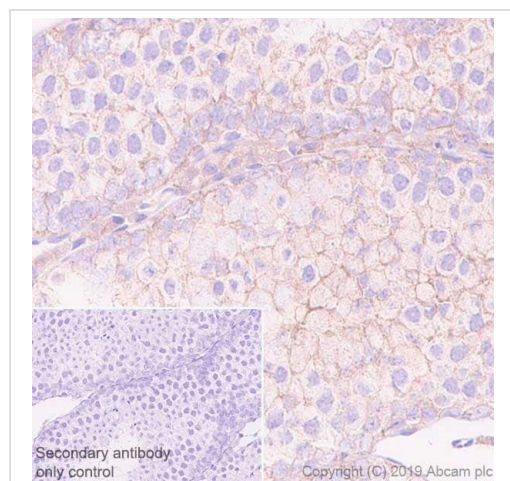
Relevance

GBA2 is a non-lysosomal glucosylceramidase that catalyzes the conversion of glucosylceramide to free glucose and ceramide. It is involved in sphingomyelin generation and prevention of glycolipid accumulation. GBA2 may also catalyze the hydrolysis of bile acid 3-O-glucosides, however, the relevance of such activity is unclear in vivo.

Cellular localization

Cell membrane; Single-pass membrane protein. Note=Not localized to lipid rafts.

Images

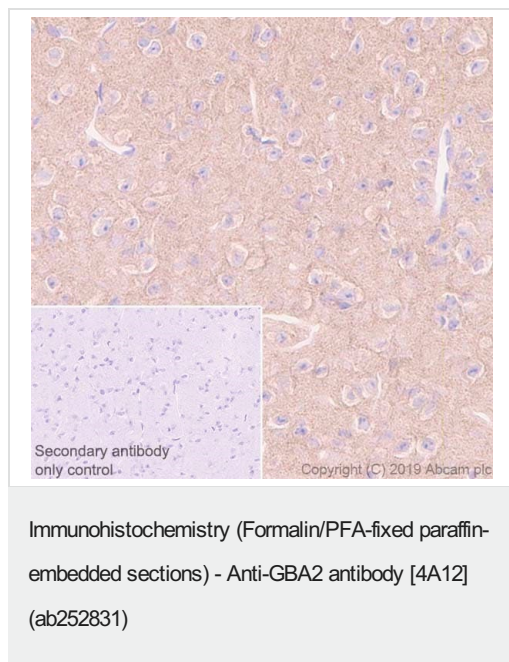


Immunohistochemical analysis of paraffin-embedded mouse testis tissue labeling GBA2 with ab252831 at 0.023µg/ml, followed by ready to use Goat Anti-Rat IgG H&L (HRP polymer) ([ab214882](#)). Membranous staining on mouse testis is observed. Counterstained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, followed by ready to use secondary.

Heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GBA2 antibody [4A12] (ab252831)







Immunohistochemical analysis of paraffin-embedded mouse cerebrum tissue labeling GBA2 with ab252831 at 0.023µg/ml, followed by ready to use Goat Anti-Rat IgG H&L (HRP polymer) (**ab214882**). Positive staining on mouse cerebrum is observed. Counterstained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, followed by ready to use secondary.

Heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0).

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-GBA2 antibody [4A12] (ab252831)

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

- 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