

Product datasheet

Anti-GBA2 antibody ab205064

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Overview

Product name	Anti-GBA2 antibody
Description	Rabbit polyclonal to GBA2
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse
Immunogen	Recombinant fragment corresponding to Human GBA2 aa 743-913. (BC011363). Sequence: RPQRSVMSDQCAGQWFLKACGLGEGDTEVFPTQHVV RALQTIFELNVQA FAGGAMGAVNGMQPHGVDPKSSVQSDEVWVGVVYGLA ATMIQEGLTWEFG QTAEGCYRTVWERLGLAFQTPEAYCQQRVFRSLAYMRPL SIWAMQLALQQ QQHKKASWPKVKQGTGLRTGP Database link: Q9HCG7 Run BLAST with Run BLAST with
Positive control	HeLa and HepG2 cell lysates; Human fetal colon tissue.
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p>

Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.

Properties

Form	Lyophilized:Reconstitute in 200ul sterile H2O.
Storage instructions	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.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 98% PBS, 1% BSA
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab205064** in the following tested applications.

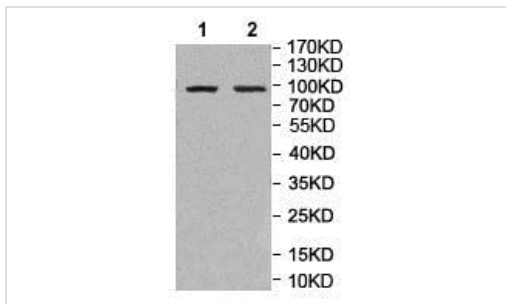
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100 - 1/500.
WB		1/200 - 1/1000. Detects a band of approximately 98 kDa (predicted molecular weight: 104 kDa).

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



Western blot - Anti-GBA2 antibody (ab205064)

All lanes : Anti-GBA2 antibody (ab205064) at 1/500 dilution

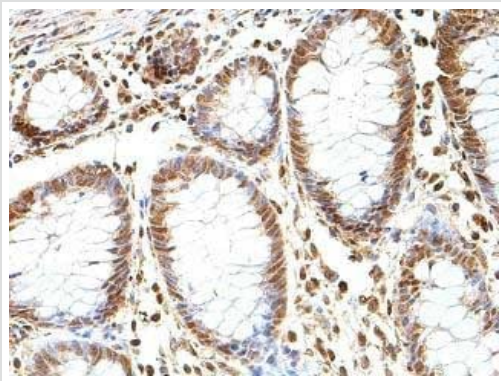
Lane 1 : HeLa cell lysate

Lane 2 : HepG2 cell lysate

Predicted band size: 104 kDa

Observed band size: 98 kDa

[why is the actual band size different from the predicted?](#)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GBA2 antibody (ab205064)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human fetal colon tissue labeling GBA2 with ab205064 at 1/100 dilution.

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

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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