

## Product datasheet

# Anti-GGH antibody ab222903

1 Image

### Overview

<b>Product name</b>	Anti-GGH antibody
<b>Description</b>	Rabbit polyclonal to GGH
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Recombinant fragment <b>Predicted to work with:</b> Soybean
<b>Immunogen</b>	Recombinant fragment corresponding to Soybean GGH aa 219-293. Sequence: RYAISPRKLQYNTKLSDFEILATSGDRDGKTFVSTARGRK YPVTVNLWQ PEKNAFEWATSLKAPHTEDAIRVTQ  Database link: <a href="#">P93164</a>  <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	WB: Recombinant GGH protein.
<b>General notes</b>	This product was previously labelled as Glutamyl hydrolase gamma

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

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.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

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.

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.

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

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<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 Constituents: 50% Glycerol (glycerin, glycerine), PBS, 0.03% Proclin 300
<b>Purity</b>	Protein G purified
<b>Purification notes</b>	Purity >95%
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab222903** 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
WB		1/500 - 1/5000. This antibody has only been tested in WB using the recombinant protein, we have no data for endogenous protein.

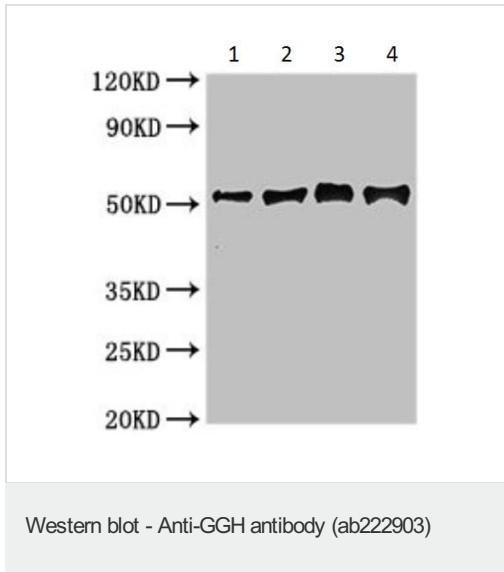
## Target

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<b>Function</b>	Hydrolyzes the polyglutamate sidechains of pteroylpolyglutamates. Progressively removes gamma-glutamyl residues from pteroylpoly-gamma-glutamate to yield pteroyl-alpha-glutamate (folic acid) and free glutamate. May play an important role in the bioavailability of dietary pteroylpolyglutamates and in the metabolism of pteroylpolyglutamates and antifolates.
<b>Sequence similarities</b>	Belongs to the peptidase C26 family. Contains 1 gamma-glutamyl hydrolase domain.
<b>Cellular localization</b>	Secreted > extracellular space. Lysosome. Melanosome. While its intracellular location is primarily the lysosome, most of the enzyme activity is secreted. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

## Images

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**All lanes** : Anti-GGH antibody (ab222903) at 1/500 dilution

**Lane 1** : Recombinant GGH protein, 60 ng

**Lane 2** : Recombinant GGH protein, 30 ng

**Lane 3** : Recombinant GGH protein, 15 ng

**Lane 4** : Recombinant GGH protein, 7.5 ng

**Secondary**

**All lanes** : Goat polyclonal to rabbit IgG

This antibody has only been tested in WB using the recombinant protein, we have no data for endogenous protein.

**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
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- Extensive multi-media technical resources to help you
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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.

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