

Datasheet: AHP1292GA

BATCH NUMBER 031214

Description:	RABBIT ANTI BETA GALACTOSIDASE
Specificity:	BETA GALACTOSIDASE
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen	▪			1/50 - 1/300
Immunohistology - Paraffin	▪			1/50 - 1/300
ELISA	▪			1/400 - 1/1600
Western Blotting	▪			1/200 - 1/500
Functional Assays			▪	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Bacterial
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Product Form	Purified IgG - liquid
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Antiserum Preparation	Antisera to beta-galactosidase were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared from whole serum by ion exchange chromatography.
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Buffer Solution	Phosphate buffered saline
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Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
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Approx. Protein	IgG concentration 1.0 mg/ml
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Concentrations

Immunogen Beta-galactosidase prepared from *E. coli*.

External Database Links

UniProt:
[P00722](#) [Related reagents](#)

RRID AB_10571346

Specificity

Rabbit anti beta-galactosidase polyclonal antibody detects beta-galactosidase, an inducible enzyme that catalyzes the hydrolysis of lactose and other beta-galactosides into monosaccharides.

Beta-galactosidase is a product of the *LacZ* operon, and is a homo-tetrameric protein consisting of four identical subunits of approximately 116 kDa each. beta-galactosidase is commonly used as a reporter gene in molecular biology to assess the efficiency of transfection.

Western Blotting

AHP1292GA detects a band of approximately 117kDa using *E. coli* beta-galactosidase.

References

1. Nam, K.T. *et al.* (2012) Spasmolytic polypeptide-expressing metaplasia (SPEM) in the gastric oxyntic mucosa does not arise from Lgr5-expressing cells. [Gut. 61 \(12\): 1678-85.](#)
2. Wende, C.Z. *et al.* (2015) Hairy/Enhancer-of-Split MEGANE and Proneural MASH1 Factors Cooperate Synergistically in Midbrain GABAergic Neurogenesis. [PLoS One. 10 \(5\): e0127681.](#)

Further Reading

1. Matthews, B.W. (2005) The structure of *E. coli* beta-galactosidase. [C R Biol. 328 \(6\): 549-56.](#)

Storage

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/AHP1292GA>
10040

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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