

## Datasheet: AHP1292GA

<b>Description:</b>	RABBIT ANTI BETA GALACTOSIDASE
<b>Specificity:</b>	BETA GALACTOSIDASE
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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

**Product Form** Purified IgG - liquid

**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.

**Buffer Solution** Phosphate buffered saline

**Preservative Stabilisers** <0.1% Sodium Azide (NaN<sub>3</sub>)

**Approx. Protein Concentrations** IgG concentration 1.0 mg/ml

<b>Immunogen</b>	Beta-galactosidase prepared from <i>E. coli</i> .
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P00722</a> <a href="#">Related reagents</a>
<b>RRID</b>	AB_10571346
<b>Specificity</b>	<b>Rabbit anti beta-galactosidase polyclonal antibody</b> 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 <i>LacZ</i> 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.
<b>Western Blotting</b>	AHP1292GA detects a band of approximately 117kDa using <i>E. coli</i> beta-galactosidase.
<b>References</b>	1. Nam, K.T. <i>et al.</i> (2012) Spasmolytic polypeptide-expressing metaplasia (SPEM) in the gastric oxyntic mucosa does not arise from Lgr5-expressing cells. <a href="#">Gut. 61 (12): 1678-85.</a> 2. Wende, C.Z. <i>et al.</i> (2015) Hairy/Enhancer-of-Split MEGANE and Proneural MASH1 Factors Cooperate Synergistically in Midbrain GABAergic Neurogenesis. <a href="#">PLoS One. 10 (5): e0127681.</a>
<b>Further Reading</b>	1. Matthews, B.W. (2005) The structure of <i>E. coli</i> beta-galactosidase. <a href="#">C R Biol. 328 (6): 549-56.</a>
<b>Storage</b>	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.  Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: 10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...)    [FITC](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
Sheep Anti Rabbit IgG (STAR35...)    [RPE](#)

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

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

## Recommended Useful Reagents

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

**North & South** Tel: +1 800 265 7376

**Worldwide**

Tel: +44 (0)1865 852 700

**Europe**

Tel: +49 (0) 89 8090 95 21

**America** Fax: +1 919 878 3751

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

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