

Datasheet: AHP1292GA

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.

Buffer Solution	Phosphate buffered saline
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Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)
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Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
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Immunogen	Beta-galactosidase prepared from <i>E. coli</i> .
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 <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.
Western Blotting	AHP1292GA detects a band of approximately 117kDa using <i>E. coli</i> beta-galactosidase.
References	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. Gut. 61 (12): 1678-85. 2. Wende, C.Z. <i>et al.</i> (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 <i>E. coli</i> beta-galactosidase. C R Biol. 328 (6): 549-56.
Storage	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.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	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 \(STAR209P\)](#)

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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

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