

Anti-beta Galactosidase antibody ab616

★★★★★ [30 Abreviews](#) [116 References](#) [1 Image](#)

Overview

Product name	Anti-beta Galactosidase antibody
Description	Rabbit polyclonal to beta Galactosidase
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: ICC/IF, IHC-Fr or IHC-P
Species reactivity	Reacts with: Escherichia coli
Immunogen	Full length native protein (purified) corresponding to beta Galactosidase. Full length native Beta Galactosidase isolated from E.coli
General notes	<p>Application Note: This antibody shows inconsistent results between batches in ICC/IF, IF, IHC-P, IHC-Fr and IHC-FoFr. We have received several good Abreviews on these applications, however, we are unable to guarantee positive results. If the antibody is used for IHC, please try fixing with methanol and block with gelatine instead with BSA or NGS. After each antibody incubation, please wash 5x with TBS instead of PBS. We would recommend ab4761 or ab12081 as alternatives.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>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, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride, 1% BSA
Purity	IgG fraction
Purification notes	IgG fraction purified from monospecific antiserum by a multi-step process of delipidation, salt

fractionation, ion exchange chromatography and dialysis.

Clonality

Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab616 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	★★★★★ (8)	1/5000 - 1/10000. Detects a band of approximately 116 kDa. This antibody shows inconsistent results between batches in ICC/IF, IHC-P, IHC-Fr and IHC-FoFr. We have received several good Abreviews on these applications, however, we are unable to guarantee positive results. If the antibody is used for IHC, please try fixing with methanol and block with gelatine instead with BSA or NGS. After each antibody incubation, please wash

Application notes

Is unsuitable for ICC/IF, IHC-Fr or IHC-P.

Target

Relevance

Beta galactosidase is coded by a gene (lac z) in the lac operon of Escherichia coli. It is a metalloenzyme that splits lactose into glucose and galactose. It hydrolyzes terminal, non-reducing beta-D-galactose residues in beta-D-galactosides. Activation by cations seems to be substrate dependent. K⁺, Na⁺, NH₄⁺, Rb⁺, Cs⁺ and Mn⁺⁺ all activate enzyme activity based upon the substrate used.

Cellular localization

Cytoplasmic

Images



All lanes : Anti-beta Galactosidase antibody (ab616)

Lanes 1-2 : Non-reduced purified recombinant beta Galactosidase protein

Lanes 3-4 : reduced purified recombinant beta Galactosidase protein

Western blotting using ab616. Lane 1 shows 80 ng and lane 2 shows 20 ng loaded onto gel. Results for non-reducing conditions of SDS-PAGE prior to transfer to nitrocellulose are shown on the left side of the figure; results obtained under reducing conditions are shown on the right. The membrane was probed with ab616 at 1/10,000 dilution.

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

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