

Product datasheet

Anti-beta Galactosidase antibody [BG-02] ab1047

★ ★ ★ ★ ★ 3 Abreviews 7 References 1 Image

Overview

Product name	Anti-beta Galactosidase antibody [BG-02]
Description	Mouse monoclonal [BG-02] to beta Galactosidase
Tested applications	Suitable for: WB, ICC, ICC/IF
Immunogen	Full length native protein (purified) (E. coli).
Epitope	Recognizes a non-catalytic centre epitope of Beta-galactosidase from E. coli.

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: 15mM Sodium Azide Constituents: PBS, pH 7.4
Purity	>95% by SDS-PAGE
Purification notes	Purified from ascites by precipitation methods.
Clonality	Monoclonal
Clone number	BG-02
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab1047** 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	★ ★ ★ ★ ★	Use a concentration of 1 µg/ml.
ICC		Use at an assay dependent concentration.
ICC/IF	★ ★ ★ ★ ★	Use at an assay dependent concentration. Used at a dilution of 1/50 for 18 hrs on mouse mammary cells (see Abreview for further information).

Target

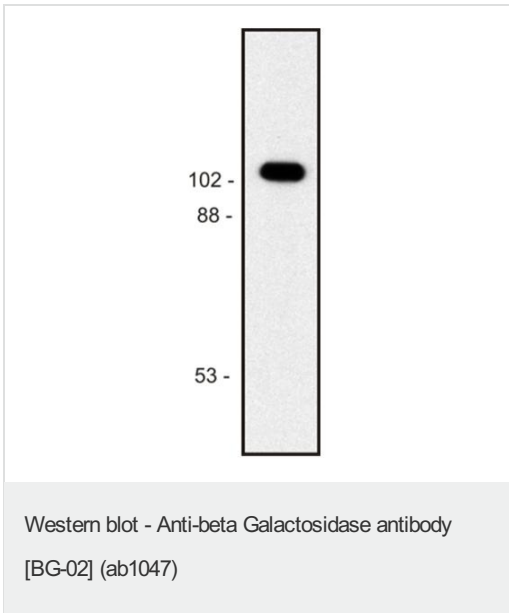
Relevance

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

Anti-beta Galactosidase antibody [BG-02] images



Anti-beta Galactosidase antibody [BG-02] (ab1047) at 1 µg/ml + Purified *E. coli* beta-galactosidase

Secondary

Goat anti-mouse IgG (H+L)-HRP conjugate

Performed under non-reducing conditions.

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