

Product datasheet

Anti-beta Galactosidase antibody [BG-02] ab1047

★ ★ ★ ★ ★ 3 Abreviews 8 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. |

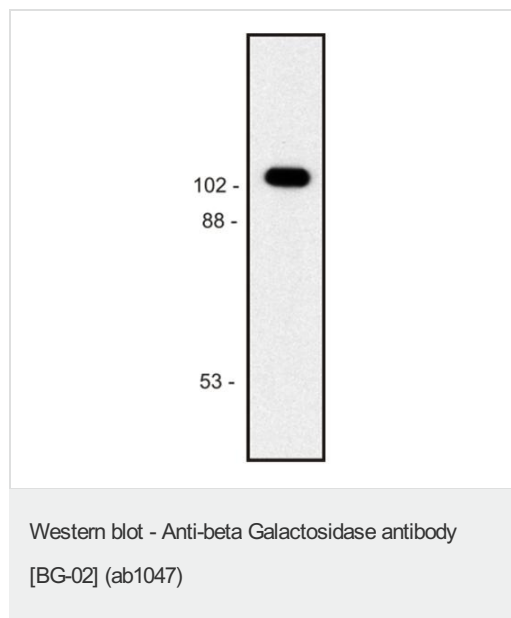
| Application | Abreviews | Notes |
|-------------|-----------|---|
| ICC/IF | ★★★★★ | Use at an assay dependent concentration. Used at a dilution of 1/50 for 18 hrs on mouse mammary cells (see Abreview for further information). |

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

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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