

DATASHEET

Version: 2016-08-17

β-Galactosidase Antibody, pAb, Rabbit

Cat. No.: A00633

Size: 1 mg

Synonyms: Rabbit Anti-β-Galactosidase pAb;

Description:

β-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 β-D-galactose residues in β-D-galactosides.

GenScript **Rabbit Anti-β-Galactosidase Polyclonal**

Antibody may be used as a primary antibody for the detection and purification of recombinant fusion proteins, which expressed by a vector containing β-galactosidase.

GenScript Rabbit Anti-β-Galactosidase Polyclonal Antibody is highly purified from rabbit antiserum by protein G chromatography and is supplied as a 100 μl aliquot at a concentration of 10 mg/ml in PBS, pH7.4, containing 0.02% sodium azide.

Immunogen: β-galactosidase (*E. coli*)

Conjugation: Unconjugated

Formulation:

10 mg/ml in PBS, pH7.4, containing 0.02% sodium azide

Ig Subclass: Rabbit IgG

Specificity: GenScript Rabbit Anti-β-Galactosidase Polyclonal Antibody reacts with β-galactosidase from *E. coli*

showing a 464 kDa band (tetramer) under non-reducing conditions of SDS-PAGE and 116 kDa band under reducing conditions.

Purification: Protein G chromatography

Applications:

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA: 1:5,000-1:20,000

Western blot: 1:1,000-1:10,000

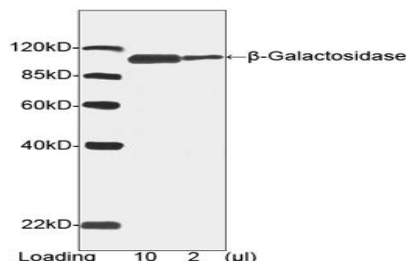
Western blot using ONE-HOUR Western™ Kit: For quick results, GenScript ONE-HOUR Western™ Kit L00204C is recommended. 10 μl of this antibody is mixed with 10 ml of WB solution for 8 cm x 8 cm membrane.

Other applications: user-optimized

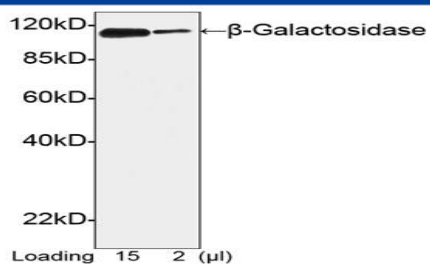
Storage:

The antibody is stable for 2-3 weeks if stored at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

Example



Western blot analysis of HEK293 cell lysate transfected adenovirus expressing β-Galactosidase using β-Galactosidase Antibody, pAb, Rabbit (GenScript, A00633, 1 μg/ml). The signal was developed with Goat Anti-Rabbit IgG (H&L) [HRP] Polyclonal Antibody (GenScript, A00098, 1:5,000) and LumiSensor™ HRP Substrate Kit (GenScript, L00221). Predicted Size: 117 kD. Observed Size: 117 kD.



Western blot analysis of HEK293 cell lysate transfected adenovirus expressing β -Galactosidase using β -Galactosidase Antibody, pAb, Rabbit (GenScript, A00633, 1 μ g/ml)
The signal was developed with with One-Step Western™ Complete Kit (Rabbit) (GenScript, L00204C)
Predicted Size: 117 kD
Observed Size: 117 kD