

beta-Galactosidase Antibody

Catalog # ASC10900

Product Information

Application	WB, E
Primary Accession	Q8FKG6
Other Accession	NP_752394 , 26246355
Reactivity	Bacteria
Host	Chicken
Clonality	Polyclonal
Isotype	IgY
Calculated MW	116495
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	beta-gal antibody can be used for detection of beta-gal by Western blot at 1 µg/mL.

Additional Information

Other Names	Beta-galactosidase {ECO:0000255 HAMAP-Rule:MF_01687}, Beta-gal {ECO:0000255 HAMAP-Rule:MF_01687}, 3.2.1.23 {ECO:0000255 HAMAP-Rule:MF_01687}, Lactase {ECO:0000255 HAMAP-Rule:MF_01687}, lacZ {ECO:0000255 HAMAP-Rule:MF_01687}
Target/Specificity	lacZ;
Reconstitution & Storage	beta-Galactosidase antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	beta-Galactosidase Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	lacZ {ECO:0000255 HAMAP-Rule:MF_01687}
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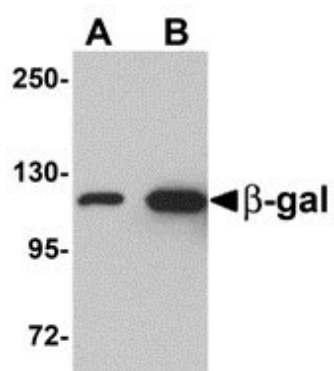
Background

beta-Galactosidase Antibody: Beta-galactosidase (beta-gal), an inducible enzyme that catalyses the hydrolysis of lactose and other beta-galactosides into monosaccharides, is a product of the LacZ operon, and is a homo-tetrameric protein consisting of four identical subunits of approximately 114 kDa each. The enzyme is commonly used as a reporter gene in molecular biology to assess the efficiency of transfection.

References

Matthews BW. The structure of E. coli beta-galactosidase. C. R. Biol.2005; 328:549-56.

Images



Western blot analysis of (A) 5 and (B) 25 ng of b-gal with b-gal antibody at 1 μ g/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.