Product datasheet

Anti-Beta Galactosidase/GLB1 Antibody

Catalog Number: *A01829-2*

BOSTER®
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

Basic Information

Product Name	Anti-Beta Galactosidase/GLB1 Antibody
Gene Name	GLB1
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, IHC, ICC/IF, FCM, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived human GLB1/Beta-galactosidase recombinant protein (Position: Q46-K655).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	65-85 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 Flow Cytometry (Fixed): 1:50-200 Enzyme linked immunosorbent assay (ELISA): 1:100-1000 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Galactosidase, beta 1, also known as GLB1, is a protein which in humans is encoded by the GLB1 gene. I t is mapped to 3p22.3. This gene encodes a member of the glycosyl hydrolase 35 family of proteins. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature lysosomal enzyme. This enzyme catalyzes the hydrolysis of a terminal beta-linked galactose residue from ganglioside substrates and other glycoconjugates. Mutations in this gene may result in GM1-gangliosidosis and Morquio B syndrome.

Anti-Beta Galactosidase/GLB1 Antibody

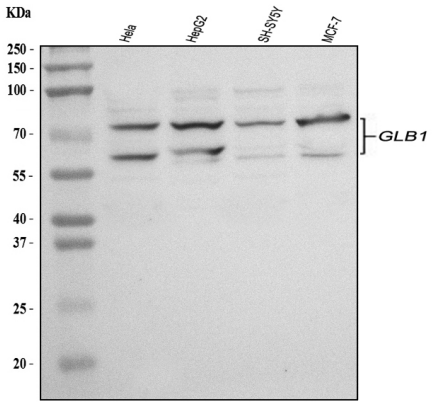
Catalog Number: *A01829-2*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

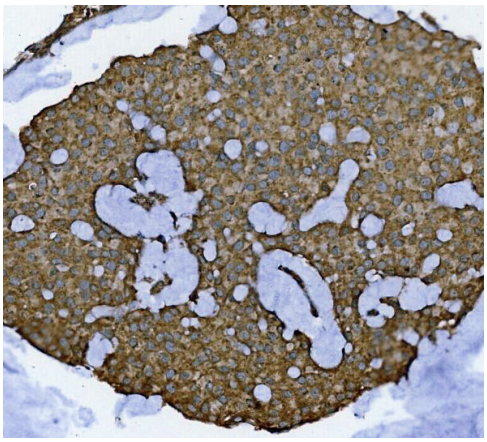
Reference

Anti-Beta Galactosidase/GLB1 Antibody被引用在2文献中。

Selected Validation Data



Western blot analysis of anti- GLB1 antibody (A01829-2). The sample well of each lane was loaded with 30ug of sample under reducing conditions.
Lane 1: human Hela whole cell lysates,
Lane 2: human HepG2 whole cell lysates,
Lane 3: human SH-SY5Y whole cell lysates,
Lane 4: human MCF-7 whole cell lysates.
Use rabbit anti- GLB1 1:1000, probed with a goat anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog#EK1002). A specific band was detected for GLB1 at approximately 65-85KD. The expected band size for GLB1 is at 76KD.

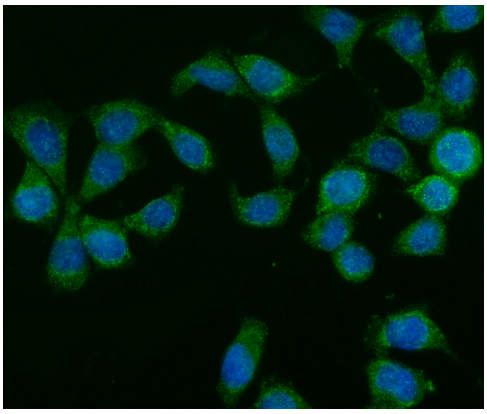


IHC analysis of Beta Galactosidase/GLB1 using anti-Beta Galactosidase/GLB1 antibody (A01829-2).
Beta Galactosidase/GLB1 was detected in a paraffin-embedded section of human breast cancer tissue. The tissue section was incubated with rabbit anti-Beta Galactosidase/GLB1 Antibody (A01829-2) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.

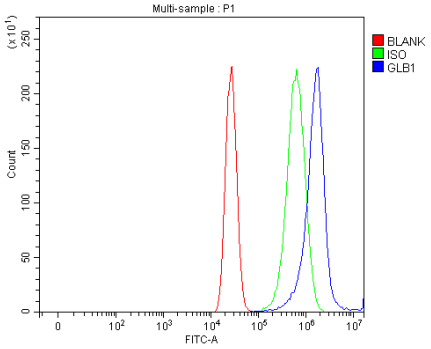
Anti-Beta Galactosidase/GLB1 Antibody

Catalog Number: *A01829-2*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com



ICC/IF analysis of Beta Galactosidase/GLB1 using anti-Beta Galactosidase/GLB1 antibody (A01829-2).
Beta Galactosidase/GLB1 was detected in an immunocytochemical section of Caco-2 cells. The section was incubated with rabbit anti-Beta Galactosidase/GLB1 Antibody (A01829-2) at a dilution of 1:100. Fluoro488 Conjugated Goat Anti-Rabbit IgG (Green) (Catalog # BA1127) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).



Flow Cytometry analysis of MCF-7 cells using anti-Beta Galactosidase/GLB1 antibody (A01829-2).
Overlay histogram showing MCF-7 cells stained with A01829-2 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Beta Galactosidase/GLB1 Antibody (A01829-2) at 1:100 dilution for 30 min at 20°C. Fluoro488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.