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Datasheet for ABIN2855812 anti-GLB1 antibody

3 Images

1 Publication



Overview

Quantity:	100 μL
Target:	GLB1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GLB1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human beta-Gal. The exact sequence is proprietary.
lsotype:	lgG
Cross-Reactivity:	Human, Rat
Characteristics:	Rabbit polyclonal antibody to beta-Gal (galactosidase, beta 1) beta-Gal antibody [N2C3]
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	GLB1
Alternative Name:	galactosidase beta 1 (GLB1 Products)

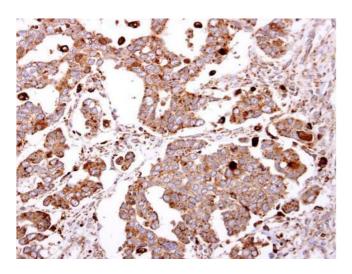
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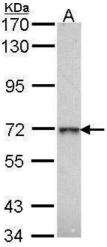
Target Details	
Background:	This gene encodes beta-galactosidase-1, a lysosomal enzyme that hydrolyzes the terminal beta-galactose from ganglioside substrates and other glycoconjugates. Defects in this gene are the cause of GM1-gangliosidosis and Morquio B syndrome. Multiple transcript variants encoding different isoforms have been found for this gene.
	Cellular Localization: Isoform 1: Lysosome , Isoform 2: Cytoplasm , perinuclear region
Molecular Weight:	76 kDa
Gene ID:	2720
UniProt:	P16278
Pathways:	Glycosaminoglycan Metabolic Process
Application Details	
Application Notes:	WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Validation: Orthogonal
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.35 mg/mL
Buffer:	1XPBS (pH 7), 1 % BSA, 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

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Wei, Ngo, Wu, Lee: "Phosphorylation of the Ndc80 complex protein, HEC1, by Nek2 kinase modulates chromosome alignment and signaling of the spindle assembly checkpoint." in: **Molecular biology of the cell**, Vol. 22, Issue 19, pp. 3584-94, (2012) (PubMed).

Images





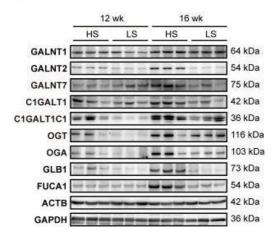
Immunohistochemistry

Image 1. IHC-P Image beta-Gal antibody [N2C3] detects beta-Gal protein at cytosol on human ovarian carcinoma by immunohistochemical analysis. Sample: Paraffin-embedded human ovarian carcinoma. beta-Gal antibody [N2C3] , dilution: 1:500.

Western Blotting

Image 2. WB Image Sample (30 ug of whole cell lysate) A: H1299 7.5% SDS PAGE antibody diluted at 1:1000

в



Western Blotting

Image 3. Upregulation of glycogene expression in the LV of DS hypertensive rats.(A) Relative expression levels of glycogenes selected after qPCR array in the LV of DS rats fed HS and LS diets were quantified by qPCR. Rps18 was used as an internal control. The numbers of examined rats were n = 12 and n = 15 for the HS groups at 12 and 16 weeks, respectively, n = 6 for LS groups at each period. Expression levels were normalized to that of TATA box-

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binding protein (Tbp). (B) Protein levels of glycogenes in LV extracts were analyzed by western blotting. β -actin (ACTB) and glyceraldehyde-3-phosphate dehydrogenase (GAPDH) were used as internal controls. Representative results from three rats per group are indicated. (C) Densitometry analysis of immunoblots shown in (B). Intensity of each band was normalized to that of GAPDH. Data are presented as the fold change compared with LS rats at 12 weeks (n = 6). (A,C) *, p < 0.05 (Tukey-HSD). - figure provided by CiteAb. Source: PMID27281159

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