

Datasheet for ABIN951831
anti-GBA3 antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	0.4 mL
Target:	GBA3
Binding Specificity:	AA 295-325, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GBA3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 295-325 amino acids from the C-terminal region of Human Cytosolic beta-glucosidase Genename: GBA3
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human Cytosolic beta-glucosidase (C-term).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	GBA3
Alternative Name:	Cytosolic beta-Glucosidase (GBA3 Products)

Target Details

Background: GBA3, or cytosolic beta-glucosidase (EC 3.2.1.21), is a predominantly liver enzyme that efficiently hydrolyzes beta-D-glucoside and beta-D-galactoside, but not any known physiologic beta-glycoside, suggesting that it may be involved in detoxification of plant glycosides (de Graaf et al., 2001 [PubMed 11389701]). GBA3 also has significant neutral glycosylceramidase activity (EC 3.2.1.62), suggesting that it may be involved in a nonlysosomal catabolic pathway of glucosylceramide metabolism (Hayashi et al., 2007 [PubMed 17595169]). Synonyms: CBG, CBGL1, Cytosolic beta-glucosidase-like protein 1, GBA3

Molecular Weight: 53696 Da

Gene ID: 57733

NCBI Accession: [NP_001121904](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS containing 0.09 % (W/V) Sodium Azide as preservative

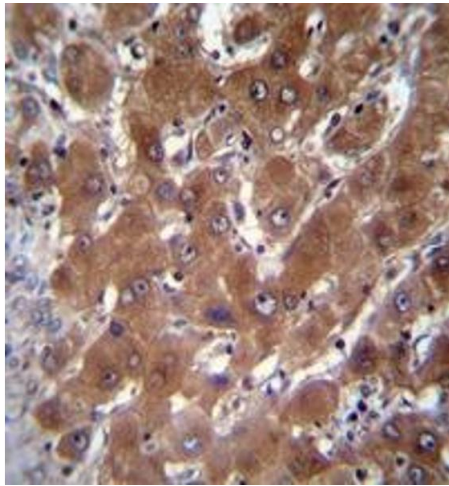
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

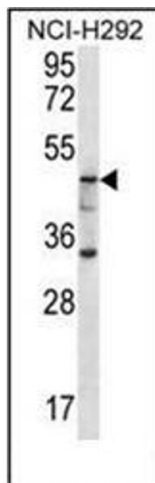
Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue reacted with Cytosolic beta-glucosidase Antibody (C-term) followed by peroxidase conjugation of the secondary antibody and DAB staining.



Western Blotting

Image 2. Western blot analysis of Cytosolic beta-glucosidase Antibody (C-term) in NCI-H292 cell line lysates (35ug/lane). This demonstrates the GBA3 antibody detected the GBA3 protein (arrow).