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Product datasheet for AP51789PU-N

GBA3 (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	**ELISA:** 1/1000. **Western Blot:** 1/100-1/500. **Immunohistochemistry on Paraffin Sections:** 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 295-325 amino acids from the C-terminal region of Human Cytosolic beta-glucosidase
Specificity:	This antibody recognizes Human Cytosolic beta-glucosidase (C-term).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	glucosylceramidase beta 3 (gene/pseudogene)
Database Link:	Entrez Gene 57733 Human Q9H227

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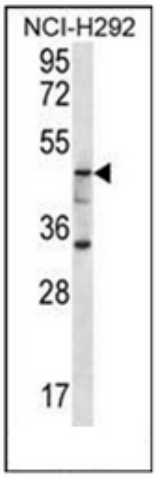
Background: GBA3, or cytosolic beta-glucosidase (EC 3.2.1.21), is a predominantly liver enzyme that efficiently hydrolyzes beta-D-glucoside and beta-D-galactoside, but not any known physiologic beta-glycoside, suggesting that it may be involved in detoxification of plant glycosides (de Graaf et al., 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: GBA3, CBG, CBGL1

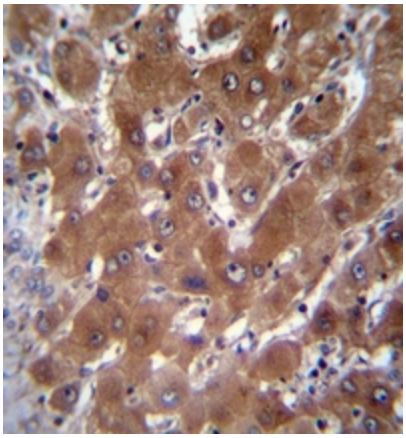
Note: **Molecular Weight:** 53696 Da

Protein Pathways: Cyanoamino acid metabolism, Starch and sucrose metabolism

Product images:



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).



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.