

Rabbit anti-Human GBA3 Polyclonal Antibody | anti-GBA3 antibody

GBA3 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289313	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

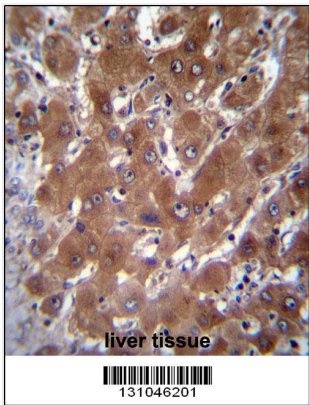
PRODUCT SYNONYMS

GBA3; Polyclonal Antibody; GBA3 Antibody (C-term); Cytosolic beta-glucosidase; Cytosolic beta-glucosidase-like protein 1; CBG; CBGL1; anti-GBA3 antibody

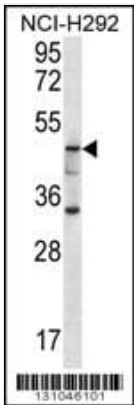
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GBA3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 296-325 amino acids from the C-terminal region of human GBA3.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.45 (varies by lot)
Sequence Positions	296-325
Sequence Length	162
Applicable Applications for anti-GBA3 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
GBA3 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of GBA3 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
GBA3 Antibody (C-term) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the GBA3 antibody detected the GBA3 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-GBA3 antibody	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]).
Product Categories/Family for anti-GBA3 antibody	Metabolism; Signal Transduction
References	Dekker, N., et al. Blood Cells Mol. Dis. (2010) In press : Noguchi, J., et al. Biochem. Biophys. Res. Commun. 374(3):549-552(2008) Hayashi, Y., et al. J. Biol. Chem. 282(42):30889-30900(2007) Tribolo, S., et al. J. Mol. Biol. 370(5):964-975(2007) Beutler, E., et al. J. Lab. Clin. Med. 144(2):65-68(2004)

NCBI AND UNIPROT INFORMATION

NCBI GI #	190360571
NCBI GeneID	57733
NCBI Accession #	NP_001121904.1; NP_001264154.1; NP_066024.1
NCBI GenBank Nucleotide #	NM_001128432.2
UniProt Accession #	Q9H227; Q32LY7; Q3MIH4; Q53GG8; Q6NSF4; Q8NHT8; Q9H3T4; Q9H4C6
Molecular Weight	53696
NCBI Official Full Name	cytosolic beta-glucosidase isoform b
NCBI Official Synonym Full Names	glucosidase, beta, acid 3 (gene/pseudogene)
NCBI Official Symbol	GBA3
NCBI Official Synonym Symbols	CBG; GLUC; KLRP; CBGL1
NCBI Protein Information	cytosolic beta-glucosidase

UniProt Protein Name	Cytosolic beta-glucosidase
UniProt Gene Name	GBA3
UniProt Synonym Gene Names	CBG; CBGL1
UniProt Entry Name	GBA3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/gba3-antibody-immunohistochemistry-western-blot-elisa/289313>