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

GBA3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324651	**Rabbit**	**Human**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

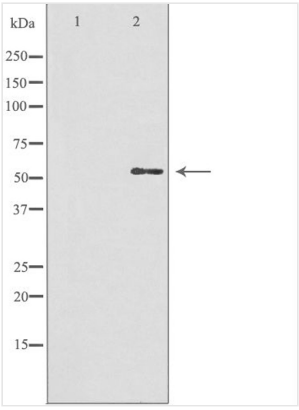
PRODUCT SYNONYMS

GBA3; Polyclonal Antibody; GBA3 Antibody; CBG; CBGL1; Cytosolic beta glucosidase; Cytosolic beta glucosidase like protein 1; Cytosolic beta-glucosidase; Cytosolic beta-glucosidase-like protein 1; GBA3_HUMAN; GLUC; Glucosidase beta acid 3; Klotho related protein; KLRP; anti-GBA3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	GBA3 antibody detects endogenous levels of total GBA3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	162
Applicable Applications for anti-GBA3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm > Cytosol.
Tissue Specificity	Present in small intestine (at protein level). Expressed in liver, small intestine, colon, spleen and kidney. Down-regulated in renal cell carcinomas and hepatocellular carcinomas.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from HuvEc cells, using GBA3 antibody.The lane on the left is treated with the antigen-specific peptide.

IF (Immunofluorescence)
AAA324651 staining HuvEc cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-GBA3 antibody	Function: Glycosidase probably involved in the intestinal absorption and metabolism of dietary flavonoid glycosides. Able to hydrolyze a broad variety of glycosides including phytoestrogens, flavonols, flavones, flavanones and cyanogens. Possesses beta-glycosylceramidase activity and may be involved in a nonlysosomal catabolic pathway of glycosylceramide. Post-translational Modifications: The N-terminus is blocked. Similarity: Belongs to the glycosyl hydrolase 1 family. Klotho subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	190360571
NCBI GeneID	57733
NCBI Accession #	NP_001121904.1
NCBI GenBank Nucleotide #	NM_001128432.2
UniProt Accession #	Q9H227; Q32LY7; Q3MIH4; Q53GG8; Q6NSF4; Q8NHT8; Q9H3T4; Q9H4C6
Molecular Weight	Observed: 54-58 kD Predicted: 54 kDa
NCBI Official Full Name	cytosolic beta-glucosidase isoform b
NCBI Official Synonym Full Names	glucosylceramidase beta 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

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-immunocytochemistry-immunofluorescence-western-blot-elisa/324651