

Mouse GBA3 Monoclonal Antibody | anti-GBA3 antibody

GBA3 antibody

CATALOG # AAA74795	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

GBA3; Monoclonal Antibody; GBA3 antibody; Monoclonal GBA3; Anti-GBA3; Glucosidase beta acid 3; CBGL1; GLUC; KLRP; Cytosolic beta-glucosidase-like protein 1; MGC104276; GBA 3; GBA-3; anti-GBA3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	1F1
Purity/Purification	GBA3 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	469
Applicable Applications for anti-GBA3 antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Biological Significance	GBA3 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. GBA3 also has significant neutral glycosylceramidase activity, suggesting that it may be involved in a nonlysosomal catabolic pathway of glucosylceramide metabolism
Cross-Reactivity	Human
Immunogen	GBA3 antibody was raised in mouse using a human recombinant protein fragment corresponding to amino acids 1-150 and 370-469 of human GBA3 (NP_066024) produced in E Coli as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western Blot analysis using GBA3 antibody. Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant GBA3 protein (Right) or empty vector (Left) detected with GBA3 antibody.



IHC (Immunohistochemistry)

Immunohistochemical staining using GBA3 antibody. Immunohistochemical analysis of GBA3 protein in paraffin embedded Adenocarcinoma of Human colon tissue using GBA3 antibody.



FCM/FACS (Flow Cytometry)

Flow Cytometric analysis using GBA3 antibody
Flow Cytometric analysis of HEK293T cells transfected with either recombinant GBA3 protein (red) or empty vector (blue) stained using GBA3 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-GBA3 antibody	Mouse monoclonal GBA3 antibody
Product Categories/Family for anti-GBA3 antibody	Proteases ; Inhibitors ; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	13273313
NCBI GeneID	57733
NCBI Accession #	NP_066024
NCBI GenBank Nucleotide #	NM_020973.4
UniProt Accession #	Q9H227 ; Q32LY7 ; Q3MIH4 ; Q53GG8 ; Q6NSF4 ; Q8NHT8 ; Q9H3T4 ; Q9H4C6
Molecular Weight	18,265 Da
NCBI Official Full Name	cytosolic beta-glucosidase isoform a
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://stage.aaabiotech.com/monoclonal/gba3-antibody-clone-1f1-western-blot-immunohistochemistry-flow-cytometry-elisa/74795>