Mouse anti-Human GBA Monoclonal Antibody | anti-GBA antibody

GBA (Glucosylceramidase, Acid beta-glucosidase, Alglucerase, Beta-glucocerebrosidase, D-glucosyl-N-acylsphingosine Glucohydrolase, Imiglucerase, GC, GLUC) (PE)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA25699	**Mouse**	**Human**	**ELISA, Immunofluorescence, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

GBA; Monoclonal Antibody; GBA (Glucosylceramidase; Acid beta-glucosidase; Alglucerase; Beta-glucocerebrosidase; D-glucosyl-N-acylsphingosine Glucohydrolase; Imiglucerase; GC; GLUC) (PE); anti-GBA antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2e2
Specificity	Recognizes human GBA.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Applicable Applications for anti-GBA antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	IF: 10ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa146-235 from human GBA (NP_000148) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	SYFSEEGIGYNIIRVPMASCDFSIRTYTYADTPDDFQLHNFSLPEEDTKLKIPLIHRALQLAQRPVSLLASPWTSPTWLKTNGAVNGKGS
Conjugate	PE
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.

IMAGES

Application Data
Detection limit for recombinant GST tagged GBA is ~1ng/ml as a capture antibody.

IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to GBA on HeLa cell. [antibody concentration 10ug/ml].

IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to GBA on formalin-fixed paraffin-embedded human breast cancer. [antibody concentration 3ug/ml].

WB (Western Blot)
Western Blot analysis of GBA expression in transfected 293T cell line by GBA monoclonal antibody. Lane 1: GBA transfected lysate (60kD). Lane 2: Non-transfected lysate.

WB (Western Blot)
GBA monoclonal antibody, Western Blot analysis of GBA expression in MCF-7.

WB (Western Blot)
Western Blot detection against Immunogen (35.64kD).

ADDITIONAL INFORMATION

Product Categories/Family for anti-GBA antibody	Antibodies; Enzymes
References	1. Characterization of the ERAD process of the L444P mutant glucocerebrosidase variant. Bendikov-Bar I, Ron I, Filocamo M, Horowitz M.Blood Cells Mol Dis. 2010 Nov 22. 2. Characterization of Gaucher disease bone marrow mesenchymal stromal cells reveals an altered inflammatory secretome. Campeau PM, Rafei M, Boivin MN, Sun Y, Grabowski GA, Galipeau J.Blood. 2009 Oct 8;114(15):3181-90. Epub 2009 Jul 8.

NCBI AND UNIPROT INFORMATION

NCBI GI #	54607043
NCBI GeneID	2629
NCBI Accession #	NP_000148
NCBI GenBank Nucleotide #	NM_000157
UniProt Accession #	P04062; Q16545; Q4VX22; Q6I9R6; Q9UMJ8; A8K796; B7Z5G2; B7Z6S1; J3KQG4; J3KQK9
Molecular Weight	56.4kDa (503aa) 50-70kDa (SDS-PAGE under reducing conditions)
NCBI Official Full Name	glucosylceramidase isoform 1
NCBI Official Synonym Full Names	glucosylceramidase beta
NCBI Official Symbol	GBA
NCBI Official Synonym Symbols	GCB; GBA1; GLUC
NCBI Protein Information	glucosylceramidase
UniProt Protein Name	Glucosylceramidase
UniProt Gene Name	**GBA**
UniProt Synonym Gene Names	GC; GLUC; Beta-GC
UniProt Entry Name	GLCM_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/gba-antibody-clone-2e2-immunofluorescence-immunohistochemistry-western-blot-elisa/25699