

Mouse GBE1 Monoclonal Antibody | anti-GBE1 antibody

GBE1 antibody

CATALOG # AAA106261	HOST Mouse	APPLICATIONS Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay
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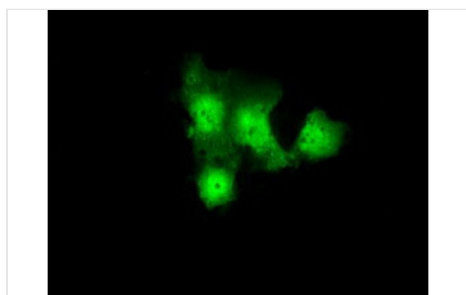
PRODUCT SYNONYMS

GBE1; Monoclonal Antibody; GBE1 antibody; Monoclonal GBE1; Anti-GBE1; Glucan 1 4 alpha branching enzyme 1; Brancher enzyme; Glycogen branching enzyme; GBE 1; GBE-1; anti-GBE1 antibody

PRODUCT SPECIFICATIONS

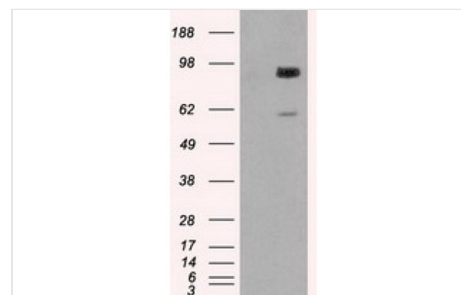
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	4D9
Purity/Purification	GBE1 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	702
Applicable Applications for anti-GBE1 antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	GBE1 is a glycogen branching enzyme that catalyzes the transfer of alpha-1, 4-linkedglucosyl units from the outer end of a glycogen chain to an alpha-1, 6 position on the same or a neighboring glycogen chain. Branching of the chains is essential to increase the solubility of the glycogen molecule and, consequently, inreducing the osmotic pressure within cells. Highest level of this enzyme are found in liver and muscle.
Cross-Reactivity	Human
Immunogen	GBE1 antibody was raised in mouse using a full length recombinant protein of human GBE1 (NP_000149) produced in HEK293T cells, 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



IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant GBE1 protein using GBE1 antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant GBE1 protein (Right) or empty vector (Left) detected with GBE1 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-GBE1 antibody	Mouse monoclonal GBE1 antibody
Product Categories/Family for anti-GBE1 antibody	Proteases ; Inhibitors ; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	189458812
NCBI GeneID	2632
NCBI Accession #	NP_000149
NCBI GenBank Nucleotide #	NM_000158.3
UniProt Accession #	Q04446 ; Q96EN0 ; B3KVV3
Molecular Weight	80,474 Da
NCBI Official Full Name	1,4-alpha-glucan-branching enzyme
NCBI Official Synonym Full Names	glucan (1,4-alpha-), branching enzyme 1
NCBI Official Symbol	GBE1
NCBI Official Synonym Symbols	GBE; APBD; GSD4
NCBI Protein Information	1,4-alpha-glucan-branching enzyme
UniProt Protein Name	1,4-alpha-glucan-branching enzyme
UniProt Gene Name	GBE1
UniProt Entry Name	GLGB_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/gbe1-antibody-clone-4d9-western-blot-immunofluorescence-flow-cytometry-elisa/106261>