

Rabbit anti-Human, mouse GBE1 Polyclonal Antibody | anti-GBE1 antibody

GBE1 Antibody (Center)

CATALOG # AAA286693	HOST Rabbit	REACTIVITY Human, mouse	APPLICATIONS Immunofluorescence, ELISA, Western Blot
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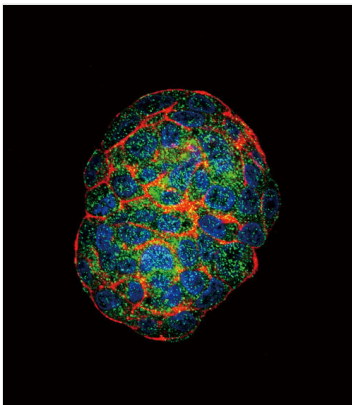
PRODUCT SYNONYMS

GBE1; Polyclonal Antibody; GBE1 Antibody (Center); 4-alpha-glucan-branching enzyme; Brancher enzyme; Glycogen-branching enzyme; anti-GBE1 antibody

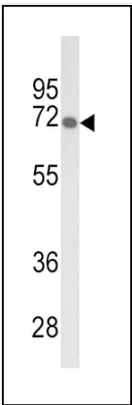
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GBE1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 527-556 amino acids from the Central region of human GBE1.
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: 0.5 (varies by lot)
Sequence Positions	527-556
Sequence Length	702
Applicable Applications for anti-GBE1 antibody	IF (Immunofluorescence), 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.

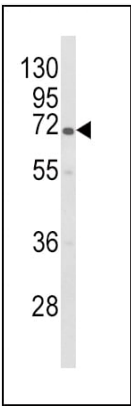
IMAGES



IF (Immunofluorescence)
Confocal immunofluorescent analysis of GBE1 Antibody (Center) with HepG2 cell followed by Alexa Fluor[®] 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).



WB (Western Blot)
Western blot analysis of GBE1 Antibody (Center) in mouse liver tissue lysates (35ug/lane). GBE1 (arrow) was detected using the purified Pab.



WB (Western Blot)
Western blot analysis of GBE1 Antibody (Center) in HL-60 cell line lysates (35ug/lane). GBE1 (arrow) was detected using the purified Pab;

ADDITIONAL INFORMATION

Related Product Information for anti-GBE1 antibody	GBE1 is a glycogen branching enzyme that catalyzes the transfer of alpha-1,4-linked glucosyl 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, in reducing the osmotic pressure within cells. Highest level of this enzyme are found in liver and muscle. Mutations in this gene are associated with glycogen storage disease IV (also known as Andersen's disease).
Product Categories/Family for anti-GBE1 antibody	Cancer; Metabolism; Signal Transduction
References	Konstantinidou, A.E., et al. Placenta 29(4):378-381(2008) Massa, R., et al. Muscle Nerve 37(4):530-536(2008) Bruno, C., et al. Acta Myol 26(1):75-78(2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	189458812
NCBI GeneID	2632
NCBI Accession #	NP_000149.3
NCBI GenBank Nucleotide #	NM_000158.3
UniProt Accession #	Q04446; Q96EN0; B3KWW3

Molecular Weight	80474
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gbe1-antibody-immunofluorescence-western-blot-elisa/286693>