

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

GLA Antibody (N-term)

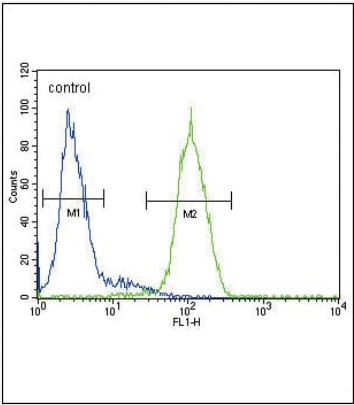
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284117	Rabbit	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

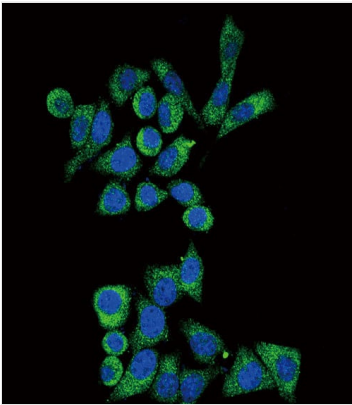
GLA; Polyclonal Antibody; GLA Antibody (N-term); Alpha-galactosidase A; Alpha-D-galactosidase A; Alpha-D-galactoside galactohydrolase; Melibiase; Agalsidase; anti-GLA antibody

PRODUCT SPECIFICATIONS

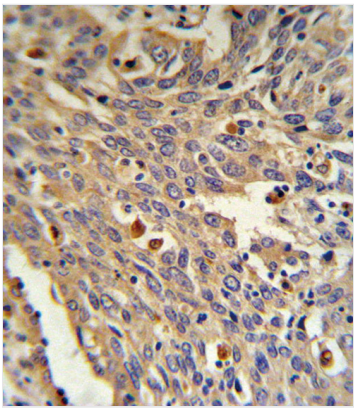
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GLA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 83-112 amino acids from the N-terminal region of human GLA.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	83-112
Sequence Length	429
Applicable Applications for anti-GLA antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), 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.



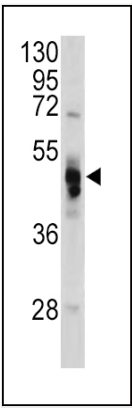
FCM/FACS (Flow Cytometry)
GLA Antibody (N-term) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IF (Immunofluorescence)
Confocal immunofluorescent analysis of GLA Antibody (N-term) with HeLa cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclei (blue).



IHC (Immunohistochemistry)
GLA Antibody (N-term) IHC analysis in formalin-fixed and paraffin-embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GLA Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of GLA antibody (N-term) in HeLa cell line lysates (35 µg/lane). GLA (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-GLA antibody	GLA is a homodimeric glycoprotein that hydrolyses the terminal alpha-galactosyl moieties from glycolipids and glycoproteins. This enzyme predominantly hydrolyzes ceramide trihexoside, and it can catalyze the hydrolysis of melibiose into galactose and glucose. A variety of mutations in this gene affect the synthesis, processing, and stability of this enzyme, which causes Fabry disease, a rare lysosomal storage disorder that results from a failure to catabolize alpha-D-galactosyl glycolipid moieties.
Product Categories/Family for anti-GLA antibody	Cardiovascular
References	Mignani, R., <i>Kidney Int.</i> 75 (10), 1115-1116 (2009) Ioannou, Y. A., <i>Biochem. J.</i> 332 (PT 3), 789-797 (1998)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504009
NCBI GeneID	2717
NCBI Accession #	NP_000160.1
NCBI GenBank Nucleotide #	NM_000169.2

UniProt Accession #	P06280; Q6LER7
Molecular Weight	48767
NCBI Official Full Name	alpha-galactosidase A
NCBI Official Synonym Full Names	galactosidase, alpha
NCBI Official Symbol	GLA
NCBI Official Synonym Symbols	GALA
NCBI Protein Information	alpha-galactosidase A
UniProt Protein Name	Alpha-galactosidase A
UniProt Gene Name	GLA
UniProt Entry Name	AGAL_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/gla-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/284117>