

Rabbit anti-Human GLA/alpha-Galactosidase A Monoclonal Antibody | anti-GLA antibody

Recombinant Anti-GLA/alpha-Galactosidase A Antibody, Rabbit Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255513	Rabbit	Human	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

GLA/alpha-Galactosidase A; Monoclonal Antibody; Recombinant Anti-GLA/alpha-Galactosidase A Antibody; Rabbit Monoclonal; alpha-Galactosidase A/GLA Antibody; Rabbit MAb; galactosidase; alpha; Anti-GALA Antibody; anti-GLA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	001
Specificity	Human alpha-Galactosidase A/GLA
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-GLA antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Human alpha-Galactosidase A/GLA protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human alpha-Galactosidase A/GLA (rh alpha-Galactosidase A/GLA).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

GLA was immunoprecipitated using: Lane A: 0.5 mg MCF-7 Whole Cell Lysate; 2 uL anti-GLA rabbit monoclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-GLA rabbit monoclonal antibody, at 1:1000 dilution. Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution. Developed using the DAB staining technique. Performed under reducing conditions. Predicted band size: 49 kDa. Observed band size: 52 kDa.



WB (Western Blot)

Anti-GLA rabbit monoclonal antibody at 1:1000 dilution. Lane A: 293T Whole Cell Lysate; Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 49 kDa. Observed band size: 49 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-GLA antibody	Alpha-galactosidase A, also known as Alpha-D-galactoside galactohydrolase, Alpha-D-galactosidase A, Melibiase and GLA, is a member of the glycosyl hydrolase 27 family. GLA is used as a long-term enzyme replacement therapy in patients with a confirmed identification of Fabry disease. Defects in GLA are the cause of Fabry disease (FD) which is a rare X-linked sphingolipidosis disease where glycolipid accumulates in many tissues. The disease consists of an inborn error of glycosphingolipid catabolism. FD patients show systemic accumulation of globotriaoslyceramide (Gb3) and related glycosphingolipids in the plasma and cellular lysosomes throughout the body. Clinical recognition in males results from characteristic skin lesions (angiokeratomas) over the lower trunk. Patients may show ocular deposits, febrile episodes, and burning pain in the extremities. Death results from renal failure, cardiac or cerebral complications of hypertension or other vascular disease. Deficiency of GLA leads to the accumulation of glycosphingolipids in the vasculature leading to multiorgan pathology. In addition to well-described microvascular disease, deficiency of GLA is also characterized by premature macrovascular events such as stroke and possibly myocardial infarction.
References	Koide T.et al., 1990, FEBS Lett. 259:353-356. Yang C.-C. et al., 2003, Clin. Genet. 63:205-209. Verovnik F. et al., 2004, Eur. J. Hum. Genet. 12:678-681. Nance C.S. et al., 2006, Arch. Neurol. 63:453-457.

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	48,767 Da
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; melibiase; alpha-gal A; agalsidase alfa; alpha-D-galactosidase A; alpha-D-galactoside galactohydrolase 1
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.