

GLA rabbit monoclonal antibody

Catalog # H00002717-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human GLA peptide using ARM Technology.
Immunogen	A synthetic peptide of human GLA is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human GLA peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — GLA

Entrez GeneID	2717
GeneBank Accession#	GLA
Gene Name	GLA
Gene Alias	GALA
Gene Description	galactosidase, alpha
Omim ID	300644 301500
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a homodimeric glycoprotein that hydrolyses the terminal alpha-galactosyl moieties from glycolipids and glycoproteins. This enzyme predominantly hydrolyzes ceramide trihexo side, 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. [provided by RefSeq]
Other Designations	OTTHUMP00000023679 agalsidase alfa alpha-D-galactosidase A alpha-D-galactoside galactohydrolase 1 alpha-gal A alpha-galactosidase A melibiase

Pathway

- [Galactose metabolism](#)
- [Glycerolipid metabolism](#)
- [Glycosphingolipid biosynthesis - globo series](#)
- [Lysosome](#)
- [Sphingolipid metabolism](#)

Disease

- [Cardiomyopathy](#)

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Fabry Disease](#)
- [Hypertrophy](#)
- [Lipid Metabolism](#)
- [Mitochondrial Myopathies](#)
- [Stroke](#)