

# GLB1 rabbit monoclonal antibody

Catalog # H00002720-K

Size 100 ug x up to 3

## Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against a human GLB1 peptide using ARM Technology.
<b>Immunogen</b>	A synthetic peptide of human GLB1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
<b>Host</b>	Rabbit
<b>Library Construction</b>	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
<b>Expression</b>	Overexpression vector and transfection into 293H cell line.
<b>Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Isotype</b>	IgG
<b>Quality Control Testing</b>	Antibody reactive against human GLB1 peptide by ELISA and mammalian transfected lysate by Western Blot.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Deliverable</b>	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
<b>Note</b>	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) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — GLB1

Entrez GeneID	<a href="#">2720</a>
GeneBank Accession#	<a href="#">GLB1</a>
Gene Name	GLB1
Gene Alias	EBP, ELNR1
Gene Description	galactosidase, beta 1
Omim ID	<a href="#">230500 611458</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	This gene encodes beta-galactosidase-1, a lysosomal enzyme that hydrolyzes the terminal beta-galactose from ganglioside substrates and other glycoconjugates. Defects in this gene are the cause of GM1-gangliosidosis and Morquio B syndrome. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	elastin receptor 1, 67kDa

## Pathway

- [Galactose metabolism](#)
- [Glycosaminoglycan degradation](#)
- [Glycosphingolipid biosynthesis - ganglio series](#)
- [Lysosome](#)
- [Metabolic pathways](#)
- [Other glycan degradation](#)
- [Sphingolipid metabolism](#)

## Disease

- [Tobacco Use Disorder](#)