

GBA3 rabbit monoclonal antibody

Catalog # H00057733-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human GBA3 peptide using ARM Technology.
Immunogen	A synthetic peptide of human GBA3 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 GBA3 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 — GBA3

Entrez GeneID [57733](#)

GeneBank Accession# [GBA3](#)

Gene Name GBA3

Gene Alias CBGL1, GLUC, KLrP, MGC104276, MGC126878

Gene Description glucosidase, beta, acid 3 (cytosolic)

Omim ID [606619](#)

Gene Ontology [Hyperlink](#)

Gene Summary GBA3, or cytosolic beta-glucosidase (EC 3.2.1.21), is a predominantly liver enzyme that efficiently hydrolyzes beta-D-glucoside and beta-D-galactoside, but not any known physiologic beta-glycoside, suggesting that it may be involved in detoxification of plant glycosides (de Graaf et al., 2001 [PubMed 11389701]). GBA3 also has significant neutral glycosylceramidase activity (EC 3.2.1.62), suggesting that it may be involved in a nonlysosomal catabolic pathway of glucosylceramide metabolism (Hayashi et al., 2007 [PubMed 17595169]).[supplied by OMIM]

Other Designations cytosolic beta-glucosidase|klotho-related protein

Pathway

- [Cyanoamino acid metabolism](#)
- [Phenylpropanoid biosynthesis](#)
- [Starch and sucrose metabolism](#)