

# GNPTG rabbit monoclonal antibody

Catalog # H00084572-K      Size 100 ug x up to 3

## Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against a human GNPTG peptide using ARM Technology.
<b>Immunogen</b>	A synthetic peptide of human GNPTG 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 GNPTG 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 — GNPTG

Entrez GeneID	<a href="#">84572</a>
GeneBank Accession#	<a href="#">GNPTG</a>
Gene Name	GNPTG
Gene Alias	C16orf27, GNPTAG, LP2537, RJD9
Gene Description	N-acetylglucosamine-1-phosphate transferase, gamma subunit
Omim ID	<a href="#">252605 607838</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	UDP-N-acetylglucosamine:lysosomal-enzyme N-acetylglucosamine-1-phosphotransferase (GlcNAc-phosphotransferase) catalyzes the initial step in the synthesis of the mannose 6-phosphate determinant required for efficient intracellular targeting of newly synthesized lysosomal hydrolases to the lysosome. GlcNAc-phosphotransferase is an alpha-2/beta-2/gamma-2 hexameric complex, the enzyme product of 2 genes, 1 encoded by a gene on chromosome 16 (GNPTG) and the other by a gene on chromosome 12 (GNPTAB; MIM 607840).[supplied by OMIM]
Other Designations	GlcNAc-phosphotransferase gamma-subunit N-acetylglucosamine-1-phosphotransferase, gamma subunit