

# GATM rabbit monoclonal antibody

Catalog # H00002628-K

Size 100 ug x up to 3

## Specification

Product Description	Rabbit monoclonal antibody raised against a human GATM peptide using ARM Technology.
Immunogen	A synthetic peptide of human GATM 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 ( <a href="#">ARM Technology</a> ).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human GATM 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) <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 — GATM

Entrez GeneID	<a href="#">2628</a>
GeneBank Accession#	<a href="#">GATM</a>
Gene Name	GATM
Gene Alias	AGAT, AT
Gene Description	glycine amidinotransferase (L-arginine:glycine amidinotransferase)
Omim ID	<a href="#">602360</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	This gene encodes a mitochondrial enzyme that belongs to the amidinotransferase family. This enzyme is involved in creatine biosynthesis, whereby it catalyzes the transfer of a guanido group from L-arginine to glycine, resulting in guanidinoacetic acid, the immediate precursor of creatine. Mutations in this gene cause arginine:glycine amidinotransferase deficiency, an inborn error of creatine synthesis characterized by mental retardation, language impairment, and behavioral disorders. [provided by RefSeq]
Other Designations	L-arginine:glycine amidinotransferase transamidinase

## Pathway

- [Arginine and proline metabolism](#)
- [Glycine](#)
- [Metabolic pathways](#)

## Disease

- [Kidney Failure](#)