

GAMT monoclonal antibody (M04), clone 3H4

Catalog # H00002593-M04 Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GAMT is 1 ng/ml as a capture antibody.

Specification	
Product Description	Mouse monoclonal antibody raised against a partial recombinant GAMT.
Immunogen	GAMT (NP_000147.1, 138 a.a. ~ 235 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	PLSEETWHTHQFNFIKNHAFRLLKPGGVLTYCNLTSWGELMKSKYSDITIMFEETQVPALLEAGFR RENIRTEVMALVPPADCRYYAFPQMITPLVTK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (92); Rat (94)
Isotype	lgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.



Applications

- Sandwich ELISA (Recombinant protein)
 Detection limit for recombinant GST tagged GAMT is 1 ng/ml as a capture antibody.
 <u>Protocol Download</u>
- ELISA

Gene Info — GAMT

Entrez GenelD	2593
GeneBank Accession#	<u>NM_000156</u>
Protein Accession#	<u>NP_000147.1</u>
Gene Name	GAMT
Gene Alias	PIG2, TP53I2
Gene Description	guanidinoacetate N-methyltransferase
Omim ID	<u>601240</u>
Gene Ontology	<u>Hyperlink</u>
Gene Summary	The protein encoded by this gene is a methyltransferase that converts guanidoacetate to creatine, using S-adenosylmethionine as the methyl donor. Defects in this gene have been implicated in ne urologic syndromes and muscular hypotonia, probably due to creatine deficiency and accumulatio n of guanidinoacetate in the brain of affected individuals. Two transcript variants encoding differen t isoforms have been described for this gene. [provided by RefSeq
Other Designations	-

Pathway

- <u>Arginine and proline metabolism</u>
- <u>Glycine</u>
- Metabolic pathways



Disease

• Spinal Dysraphism