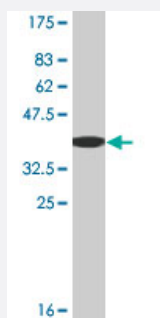


GATM monoclonal antibody (M08A), clone 2H7

Catalog # H00002628-M08A

Size 200 uL

Applications



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant GATM.
Immunogen	GATM (NP_001473.1, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MLRVRCLRGGSRGAEAVHYIGSRLGRTLGTGWVQRTFQSTQAATASSRNSCAADDKATEPLPKDC PVSSYNEWDPLEEVIVGRAENACVPPFTIEVKANTY
Host	Mouse
Reactivity	Human
Isotype	IgM Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In ascites fluid
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — GATM

Entrez GeneID [2628](#)

GeneBank Accession# [NM_001482](#)

Protein Accession# [NP_001473.1](#)

Gene Name GATM

Gene Alias AGAT, AT

Gene Description glycine amidinotransferase (L-arginine:glycine amidinotransferase)

Omim ID [602360](#)

Gene Ontology [Hyperlink](#)

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](#)