

Product datasheet for **TA346164**

GAMT Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-GAMT antibody: synthetic peptide directed towards the N terminal of human GAMT. Synthetic peptide located within the following region: MSAPSATPIFAPGENCSPA WGGAAPAAAYDAADTHLRILGKPVMERWETPYM
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	26 kDa
Gene Name:	guanidinoacetate N-methyltransferase
Database Link:	NP_000147 Entrez Gene 2593 Human Q14353



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Background:

GAMT is a methyltransferase that converts guanidoacetate to creatine, using S-adenosylmethionine as the methyl donor. Defects in its gene have been implicated in neurologic syndromes and muscular hypotonia, probably due to creatine deficiency and accumulation of guanidinoacetate in the brain of affected individuals. 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 neurologic syndromes and muscular hypotonia, probably due to creatine deficiency and accumulation of guanidinoacetate in the brain of affected individuals. Two transcript variants encoding different isoforms have been described for this gene.

Synonyms:

CCDS2; HEL-S-20; PIG2; TP53I2

Note:

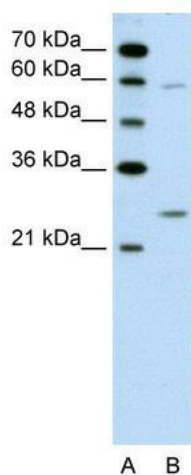
Immunogen Sequence Homology: Human: 100%; Pig: 92%; Mouse: 92%; Bovine: 92%; Rat: 85%; Guinea pig: 85%

Protein Families:

Druggable Genome

Protein Pathways:

Arginine and proline metabolism, Glycine, serine and threonine metabolism, Metabolic pathways

Product images:

WB Suggested Anti-GAMT Antibody Titration: 0.2-1 ug/ml; Positive Control: Jurkat cell lysate. GAMT is supported by BioGPS gene expression data to be expressed in Jurkat