

Datasheet for ABIN2776937
anti-GAMT antibody (N-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	GAMT
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Guinea Pig, Pig, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GAMT antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human GAMT
Sequence:	MSAPSATPIF APGENCSPAW GAAPAAAYDAA DTHLRILGKP VMERWETPYM
Predicted Reactivity:	Cow: 92%, Guinea Pig: 85%, Human: 100%, Mouse: 92%, Pig: 92%, Rat: 85%
Characteristics:	This is a rabbit polyclonal antibody against GAMT. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	GAMT
Alternative Name:	GAMT (GAMT Products)

Target Details

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.

Alias Symbols: PIG2, TP53I2

Protein Interaction Partner: FOS, CSNK2B, UBC, TERF2IP, POT1, TERF1,

Protein Size: 236

Molecular Weight: 26 kDa

Gene ID: 2593

NCBI Accession: [NM_000156](#), [NP_000147](#)

UniProt: [Q14353](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 236 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

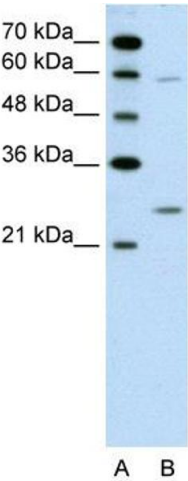
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Handling

Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



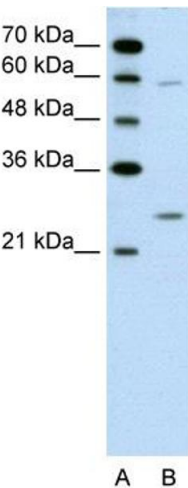
Western Blotting

Image 1. WB Suggested Anti-GAMT

Antibody Titration: 0.2-1 µg/mL

Positive Control: Jurkat cell lysate

GAMT is supported by BioGPS gene expression data to be expressed in Jurkat



Western Blotting

Image 2. 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