



# Mouse anti-Human GAMT monoclonal antibody, clone 4I5 (CABT-B9440)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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.
Isotype	IgG2a, κ
Source/Host	Mouse
Species Reactivity	Human
Clone	4I5
Purification	Affinity chromatography
Conjugate	Unconjugated
Applications	ELISA
Format	Liquid
Concentration	1 mg/ml
Size	100 µg
Buffer	PBS, pH 7.4
Preservative	no preservative
Storage	-20°C, Avoid Freeze/Thaw Cycles

## BACKGROUND

**Introduction**

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. Pseudogenes of this gene are found on chromosomes 2 and 13. [provided by RefSeq, Feb 2012]

**Keywords**

GAMT; guanidinoacetate N-methyltransferase; PIG2; CCDS2; TP53I2; HEL-S-20; epididymis secretory protein Li 20;

## GENE INFORMATION

**Entrez Gene ID**

[2593](#)

**UniProt ID**

[Q14353](#)