

Anti-GAMT Antibody Picoband® HRP Conjugated

Catalog Number: A02886-2-HRP

About GAMT

Guanidinoacetate N-methyltransferase (EC 2.1.1.2) is an enzyme that catalyzes the chemical reaction and is encoded by gene GAMT located on chromosome 19p13.3. 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.

Overview

Product Name	Anti-GAMT Antibody Picoband® HRP Conjugated
Reactive Species	Human, Mouse, Rat
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q14353

Technical Details

Immunogen	E.coli-derived human GAMT recombinant protein (Position: M1-G236). Human GAMT shares 88.1% and 86.8% amino acid (aa) sequence identity with mouse and rat GAMT.
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	HRP
Suggested Dilutions	The intended application should be selected according to the customer's experimental requirements.

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