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BOSTER BIOLOGICAL TECHNOLOGY
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Anti-GAMT Antibody Picoband® Fluoro550 Conjugated

Catalog Number: A02886-2-Fluoro550

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® Fluoro550 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (ELISA, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
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	Fluoro550 Excitation Wavelength: 562 nm Emission Wavelength: 576 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

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Anti-GAMT Antibody - Fluoro550

For Research Use Only. Not for use in diagnostic procedures.