

Datasheet for ABIN1881365
anti-GATM antibody (C-Term)[Go to Product page](#)

1 Image

3 Publications

Overview

Quantity:	400 µL
Target:	GATM
Binding Specificity:	AA 350-378, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GATM antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This GATM antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 350-378 amino acids from the C-terminal region of human GATM.
Clone:	RB41023
Isotype:	Ig Fraction
Predicted Reactivity:	B, Pr, M, Pig, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	GATM
Alternative Name:	GATM (GATM Products)

Target Details

Background:	This gene encodes a mitochondrial enzyme that belongs to the amidinotransferase family. This enzyme is involved in creatine biosynthesis, whereby it catalyzes the transfer of a guanido group from L-arginine to glycine, resulting in guanidinoacetic acid, the immediate precursor of creatine. Mutations in this gene cause arginine:glycine amidinotransferase deficiency, an inborn error of creatine synthesis characterized by mental retardation, language impairment, and behavioral disorders.
Molecular Weight:	48455
NCBI Accession:	NP_001473
UniProt:	P50440

Application Details

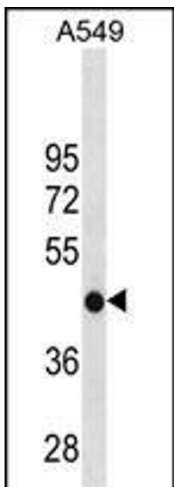
Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

Publications

Product cited in:	<p>Choudhary, Kumar, Gnad, Nielsen, Rehman, Walther, Olsen, Mann: "Lysine acetylation targets protein complexes and co-regulates major cellular functions." in: Science (New York, N.Y.), Vol. 325, Issue 5942, pp. 834-40, (2009) (PubMed).</p> <p>Dickeson, Helmkamp, Yarbrough: "Sequence of a human cDNA encoding phosphatidylinositol transfer protein and occurrence of a related sequence in widely divergent eukaryotes." in: Gene, Vol. 142, Issue 2, pp. 301-5, (1994) (PubMed).</p>
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Western Blotting

Image 1. GATM Antibody (C-term) (ABIN1881365 and ABIN2838739) western blot analysis in A549 cell line lysates (35 µg/lane). This demonstrates the GATM antibody detected the GATM protein (arrow).