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Datasheet for ABIN7468379 **anti-GATM antibody**

Overview

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|--------------|-------------------------------------|
| Quantity: | 100 µL |
| Target: | GATM |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This GATM antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

| | |
|-------------------|--|
| Immunogen: | Recombinant protein encompassing a sequence within the center region of human GATM. The exact sequence is proprietary. |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Zebrafish (Danio rerio) |
| Purification: | Purified by antigen-affinity chromatography. |

Target Details

| | |
|-------------------|--|
| Target: | GATM |
| Alternative Name: | glycine amidinotransferase (GATM Products) |
| Background: | Synonyms: glycine amidinotransferase , AGAT , AT , CCDS3 Background: This gene encodes a mitochondrial enzyme that belongs to the amidinotransferase family. This enzyme is involved in creatine biosynthesis, whereby it |

Target Details

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. [provided by RefSeq]

Molecular Weight: 48 kDa

Gene ID: 2628

UniProt: [P50440](#)

Application Details

Application Notes: WB: 1:500-1:3000. Optimal dilutions/concentrations should be determined by the researcher.
Not tested in other applications.

Comment: Positive Control: mouse liver

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: 0.1M Tris-Glycine (pH 7), 20 % Glycerol, 0.01 % Thimerosal

Preservative: Thimerosal (Merthiolate)

Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.