

## GATM

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC IF

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

**Calculated MW:** 48kDa

**Observed MW:** Refer to figures

**Immunogen:**

Recombinant protein of human GATM

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

AT; AGAT; CCDS3;

**Catalog #:** A6598

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 2628

**Isotype:** IgG

**Swiss Prot:** P50440

**Purity:** Affinity purification

For research use only.

**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.

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