

GATM Polyclonal Antibody

catalog number: **E-AB-61238**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

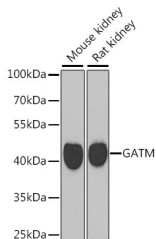
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant fusion protein of human GATM (NP_001473.1).
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications

Recommended Dilution

WB	1:500-1:2000
IHC	1:50-1:200
IF	1:50-1:200

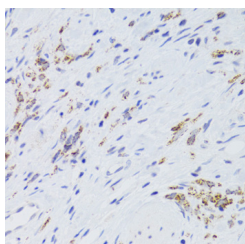
Data



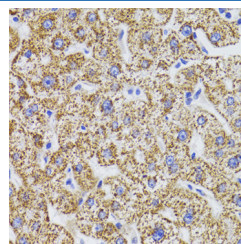
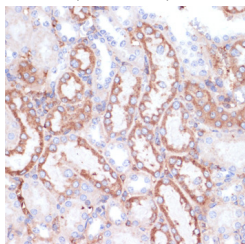
Western blot analysis of extracts of various cell lines using GATM Polyclonal Antibody at dilution of 1:1000.

Observed-MW:43 kDa

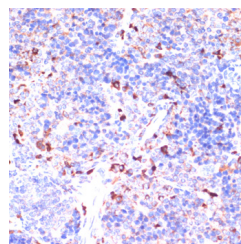
Calculated-MW:44 kDa/48 kDa



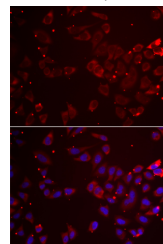
Immunohistochemistry of paraffin-embedded Human gastric cancer using GATM Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Human liver using GATM Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Mouse spleen using GATM Polyclonal Antibody at dilution of 1:100 (40x lens).



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Immunohistochemistry of paraffin-embedded Mouse kidney using GATM Polyclonal Antibody at dilution of 1:100 (40x lens).

Immunofluorescence analysis of A549 cells using GATM Polyclonal Antibody

Preparation & Storage

Storage

Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping

The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

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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