Product Datasheet

GATM antibody

Catalog No: #39034

Package Size: #39034-1 50ul #39034-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

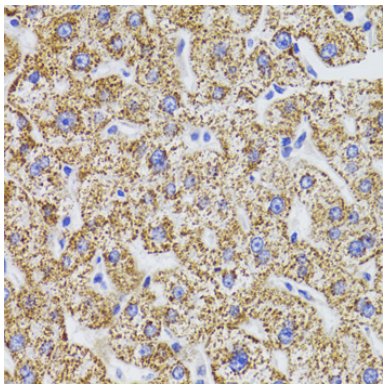
Description

Product Name	GATM antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total GATM protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human GATM.
Target Name	GATM
Other Names	AT; AGAT; CCDS3;
Accession No.	Swiss-Prot#: P50440NCBI Gene ID: 2628
Uniprot	P50440
GeneID	2628;
SDS-PAGE MW	48kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

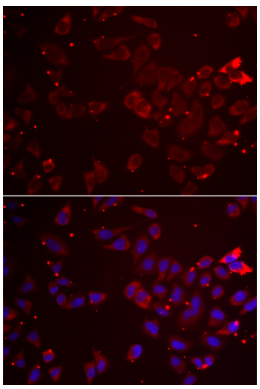
Application Details

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

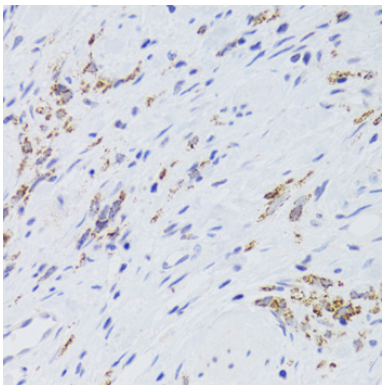
Images



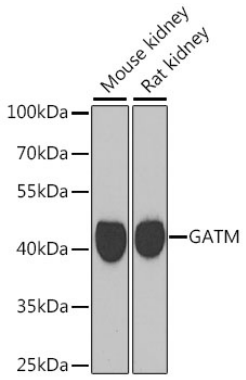
Immunohistochemistry of paraffin-embedded human liver using GATM at dilution of 1:100 (40x lens).



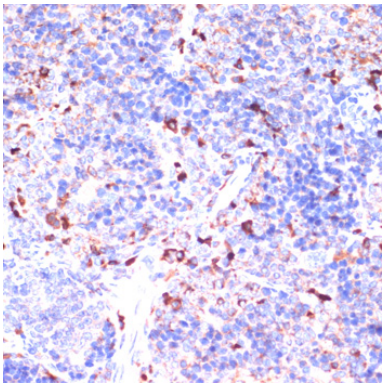
Immunofluorescence analysis of A549 cells using GATM . Blue: DAPI for nuclear staining.



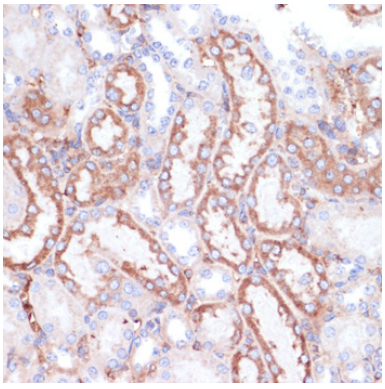
Immunohistochemistry of paraffin-embedded human gastric cancer using GATM at dilution of 1:100 (40x lens).



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



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



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

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.

Note: This product is for in vitro research use only