

## Product datasheet for **TA376475S**

### GAMT Rabbit Polyclonal Antibody

#### Product data:

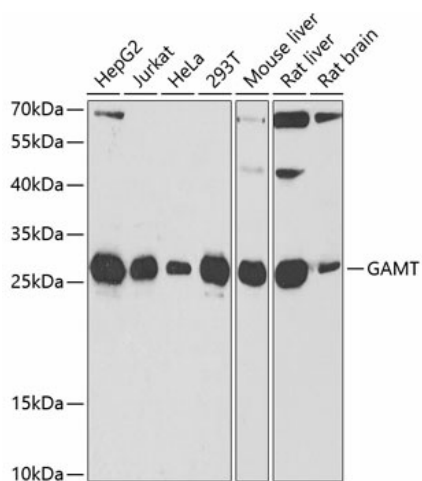
Product Type:	Primary Antibodies
Applications:	ICC/IF, IHC, WB
Recommended Dilution:	WB,1:500 - 1:2000 IHC,1:50 - 1:200 IF,1:50 - 1:200
Reactivity:	Human, Mouse, Rat
Modifications:	Unmodified
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-236 of human GAMT (NP_000147.1).
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	26kDa/29kDa
Gene Name:	guanidinoacetate N-methyltransferase
Database Link:	<a href="#">Entrez Gene 2593 Human Q14353</a>
Background:	The protein encoded by this gene is a methyltransferase that converts guanidinoacetate to creatine, using S-adenosylmethionine as the methyl donor. Defects in this gene have been implicated in neurologic syndromes and muscular hypotonia, probably due to creatine deficiency and accumulation of guanidinoacetate in the brain of affected individuals. Two transcript variants encoding different isoforms have been described for this gene. Pseudogenes of this gene are found on chromosomes 2 and 13.



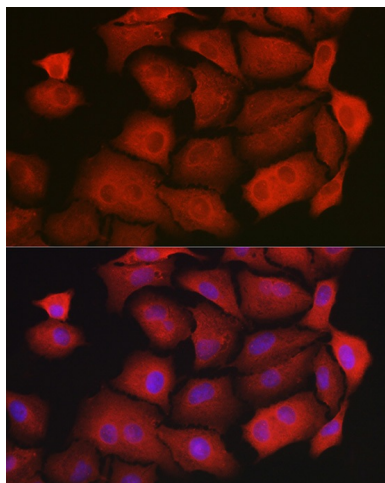
[View online »](#)

Synonyms: PIG2; TP53I2

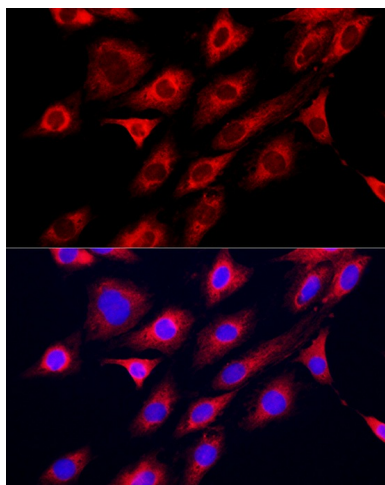
**Product images:**



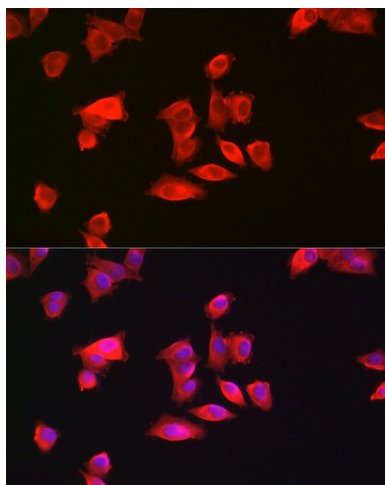
Western blot analysis of extracts of various cell lines, using GAMT antibody ([TA376475]) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit . | Exposure time: 90s.



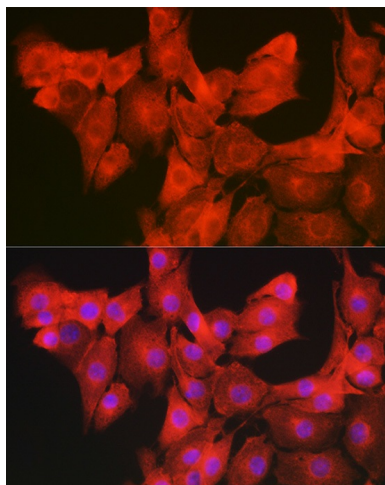
Immunofluorescence analysis of A549 cells using GAMT Rabbit pAb ([TA376475]) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.



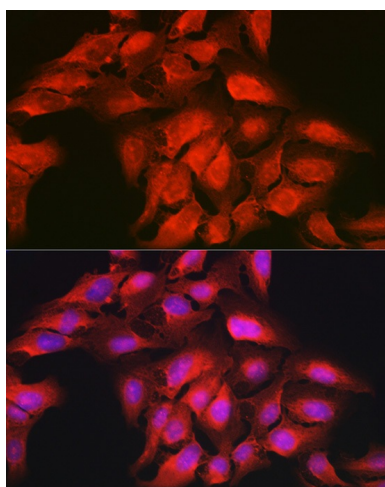
Immunofluorescence analysis of C6 cells using GAMT Rabbit pAb ([TA376475]) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.



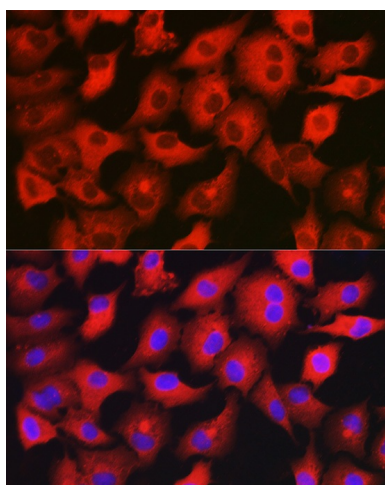
Immunofluorescence analysis of Hep G2 cells using GAMT Rabbit pAb ([TA376475]) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.



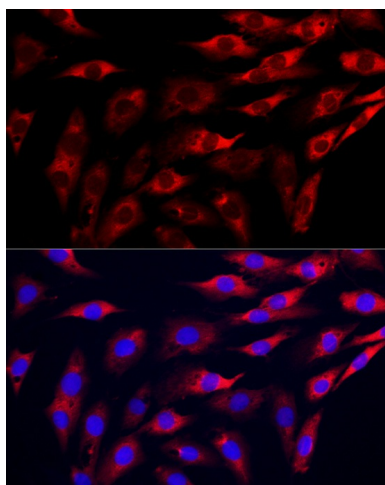
Immunofluorescence analysis of NIH-3T3 cells using GAMT Rabbit pAb ([TA376475]) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.



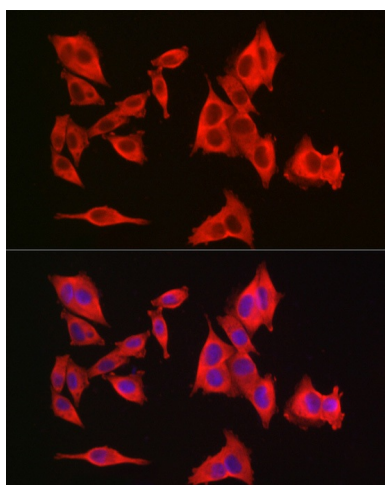
Immunofluorescence analysis of U-2 OS cells using GAMT Rabbit pAb ([TA376475]) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.



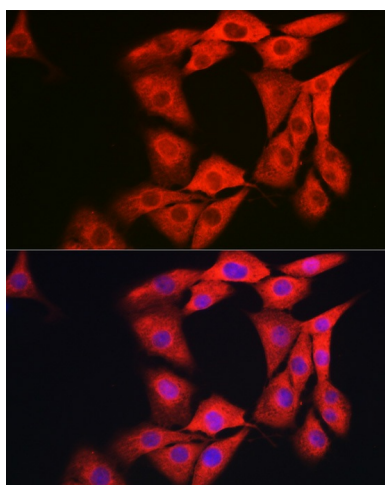
Immunofluorescence analysis of A549 cells using GAMT Rabbit pAb ([TA376475]) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of C6 cells using GAMT Rabbit pAb ([TA376475]) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of Hep G2 cells using GAMT Rabbit pAb ([TA376475]) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH-3T3 cells using GAMT Rabbit pAb ([TA376475]) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.