

GAMT Polyclonal Antibody

Catalog number: 10880-1-AP

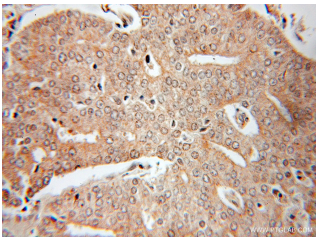
Size: 43 µg/150 µl

Source: Rabbit

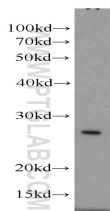
Isotype: IgG

Synonyms:

GAMT; GAMT, PIG2, TP53I2



Immunohistochemical of paraffin-embedded human prostate cancer using 10880-1-AP (GAMT antibody) at dilution of 1:10 (under 25x lens)



mouse liver tissue were subjected to SDS PAGE followed by western blot with 10880-1-AP (GAMT antibody) at dilution of 1:6000

Background

GAMT converts the latter to creatine with S-adenosylmethionine as the methyl donor. GAMT was induced in human and mouse cells in response to genotoxic and metabolic stress. GAMT was required for p53-dependent upregulation of creatine biosynthesis, fatty acid oxidation, and apoptosis in response to glucose deprivation.

Applications

Tested applications:	ELISA, WB, IHC
Cited applications:	IHC
Species specificity:	Human, Mouse, Rat, Zebrafish; other species not tested.
Cited species:	Zebrafish
Calculated GAMT MW:	26 kDa
Observed GAMT MW:	26 kDa
Positive WB detected in	Mouse liver tissue, HEK-293 cells, human brain tissue, human heart tissue, mouse brain tissue, rat liver tissue
Positive IHC detected in	Human prostate cancer tissue, human liver tissue
Recommended dilution:	WB: 1:500-1:5000 IHC: 1:10-1:100

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag1327
GenBank accession number:	BC016760
Gene ID (NCBI):	2593
Full name:	Guanidinoacetate N-methyltransferase

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.