

For Research Use Only

# AGMAT Polyclonal antibody

Catalog Number: 21899-1-AP



## Basic Information

### Catalog Number:

21899-1-AP

### Size:

150ul, Concentration: 900 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG13609

### GenBank Accession Number:

BC005090

### GeneID (NCBI):

79814

### UNIPROT ID:

Q9BSE5

### Full Name:

agmatine ureohydrolase (agmatinase)

### Calculated MW:

38 kDa

### Observed MW:

38 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:2000-1:16000

IHC 1:800-1:3200

## Applications

### Tested Applications:

WB, IHC, ELISA

### Species Specificity:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB: mouse skeletal muscle tissue, rat skeletal muscle tissue

IHC: human stomach cancer tissue,

## Background Information

AGMAT is a metallohydrolase and belongs to the arginase family. AGMAT plays an important role in amino acid metabolism and can hydrolyze agmatine into urea and putrescine. AGMAT has been shown to play an important role in the development of tumors, including colorectal cancer, lung adenocarcinoma, and pancreatic adenocarcinoma (PMID: 36680755; PMID: 31699997; PMID: 35837051).

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

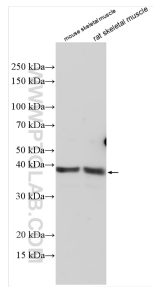
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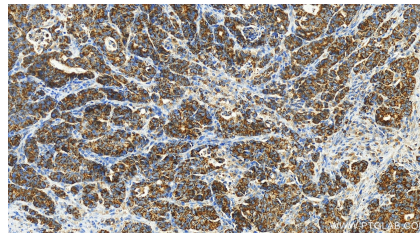
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21899-1-AP (AGMAT antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 21899-1-AP (AGMAT antibody) at dilution of 1:1600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).