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# IHC*easy* GATM Ready-To-Use IHC Kit

## Catalog Number: KHC0560

## General Information

Sample type:
FFPE tissue

Cited sample type:

Reactivity:
Human, Mouse, Rat

Cited Reactivity:

Assay type:
Immunohistochemistry

Primary antibody type:
Rabbit Polyclonal

Secondary antibody type:
Polymer-HRP-Goat anti-Rabbit

## Kit Component

| Component | Size | Concentration |
|---|---|---|
| Antigen Retrieval Buffer | 100 mL | 50× |
| Washing Buffer | 100 mL ×2 | 20× |
| Blocking Buffer | 5 mL | RTU |
| Primary Antibody | 5 mL | RTU |
| Secondary Antibody | 5 mL | RTU |
| Chromogen Component A | 0.2 mL | RTU |
| Chromogen Component B | 4 mL | RTU |
| Signal Enhancer | 5 mL | RTU |
| Counter Staining Reagent | 5 mL | RTU |
| Mounting Media | 5 mL | RTU |
| Control Slide | 1 slide (Optional) | FFPE |
| Datasheet | 1 Copy | |
| Manual | 1 Copy | |

## Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

## Background

GATM, also known as AGAT, produces ornithine and guanidinoacetate (GAA) from arginine and glycine, and is a key enzyme for creatine synthesis. GATM deficiency in early infancy causes neurodevelopmental delay. GATM is predominantly expressed in kidney and pancreas in adults. Decrease of GAMT proteins was observed in proximal tubule damage cases, which links GATM as a general marker for proximal tubule damage.

## Synonyms

AGAT, AT, GATM, Transamidinase

For technical support and original validation data for this product please contact:
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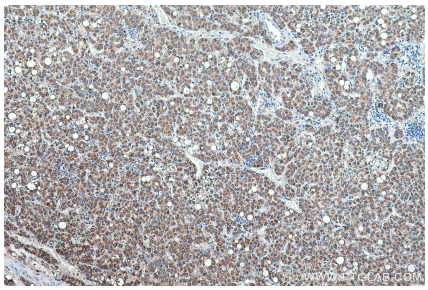
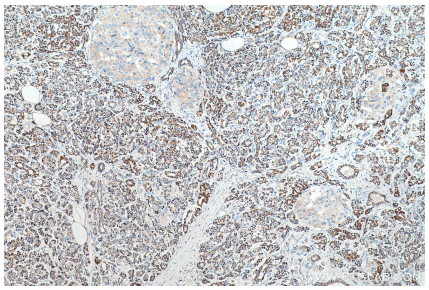
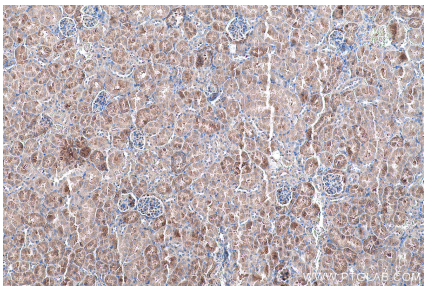
## Selected Validation Data



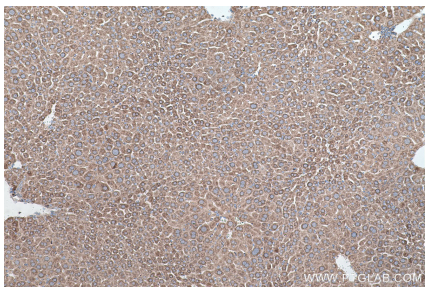
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using KHC0560 (GATM IHC Kit).



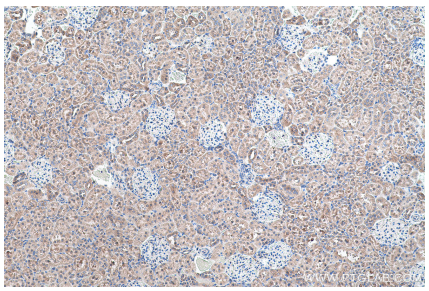
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using KHC0560 (GATM IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using KHC0560 (GATM IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using KHC0560 (GATM IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using KHC0560 (GATM IHC Kit).