

IHCeasy[®] PPAT Ready-To-Use IHC Kit

Catalog Number: **KHC3247**

General Information

Sample type:
FFPE tissue

Cited sample type:

Reactivity:
Human, Mouse, Rat

Cited Reactivity:

Assay type:
Immunohistochemistry

Primary antibody type:
Rabbit Recombinant

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.

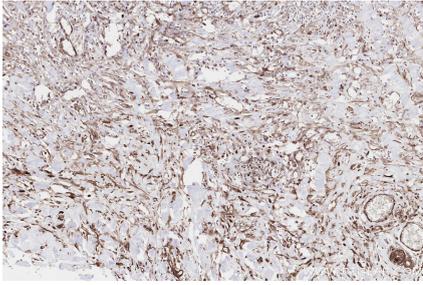
Background

PPAT, also known as ATase (amidophosphoribosyltransferase) or GPAT (glutamine phosphoribosylpyrophosphate amidotransferase) is the rate-limiting enzyme in the de novo pathway of purine ribonucleotide synthesis and is regulated by feedback inhibition by AMP and GMP. PPAT expression modulates pyruvate kinase activity, cell proliferation and invasion.

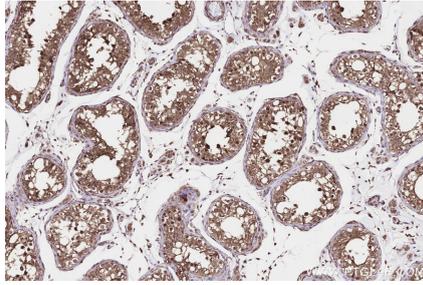
Synonyms

EC:2.4.2.14, GPAT, phosphoribosyl pyrophosphate amidotransferase, PRAT

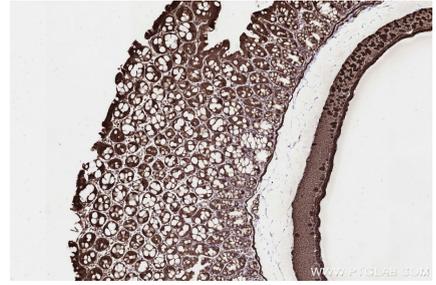
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using KHC3247 (PPAT IHC Kit).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using KHC3247 (PPAT IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using KHC3247 (PPAT IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using KHC3247 (PPAT IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat stomach tissue slide using KHC3247 (PPAT IHC Kit).