

# IHCeasy<sup>®</sup> METTL7B Ready-To-Use IHC Kit

Catalog Number: **KHC3275**

## 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.

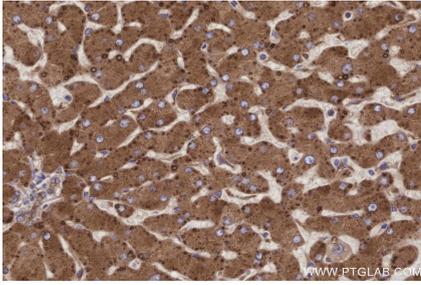
## Background

METTL7B is a membrane-associated small-molecule methyltransferase that catalyzes S-methylation of alkyl thiols, thereby linking thiol/sulfur metabolism, redox homeostasis, and cellular stress responses. By influencing antioxidant enzyme expression and detoxification pathways, METTL7B plays a pivotal role in tumor growth and drug resistance, particularly in lung adenocarcinoma. Its upregulation in multiple cancers and involvement in redox/thiol metabolism make it an emerging therapeutic target in oncology and possibly in metabolic/oxidative stress-related disease settings.

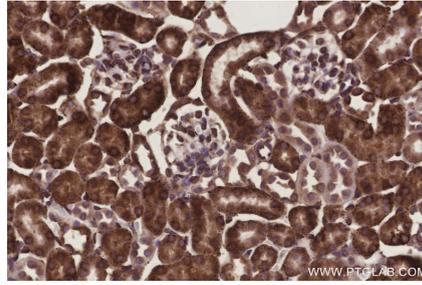
## Synonyms

EC:2.1.1.9, methyltransferase like 7B, Methyltransferase-like protein 7B, Thiol S-methyltransferase METTL7B, Thiol S-methyltransferase TMT1B

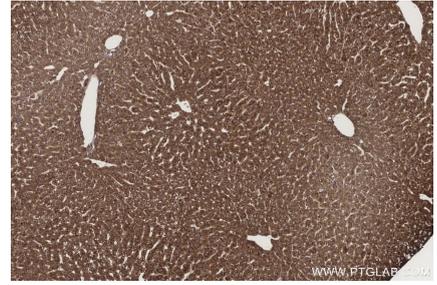
## Selected Validation Data



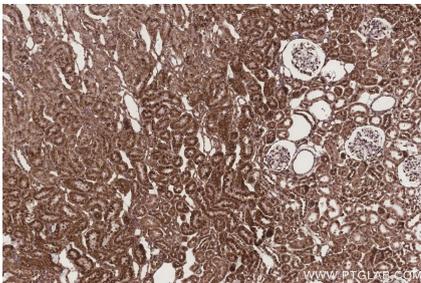
Immunohistochemical analysis of paraffin-embedded human hepatocirrhosis tissue slide using KHC3275 (METTL7B IHC Kit).



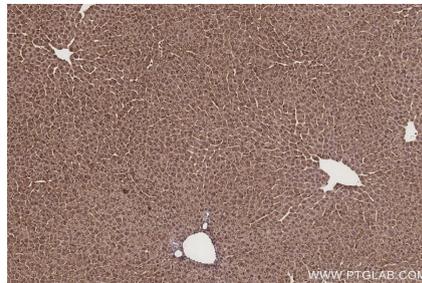
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using KHC3275 (METTL7B IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using KHC3275 (METTL7B IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using KHC3275 (METTL7B IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using KHC3275 (METTL7B IHC Kit).