

IHCeasy[®] 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

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data