

# IHC*easy* MTHFD1 Ready-To-Use IHC Kit

Catalog Number: **KHC0578**

## General Information

Sample type:  
FFPE tissue  
Cited sample type:  
Reactivity:  
Human, Mouse, Rat  
Cited Reactivity:

Assay type:  
Immunohistochemistry  
Primary antibody type:  
Mouse Monoclonal  
Secondary antibody type:  
Polymer-HRP-Goat anti-Mouse

## 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.

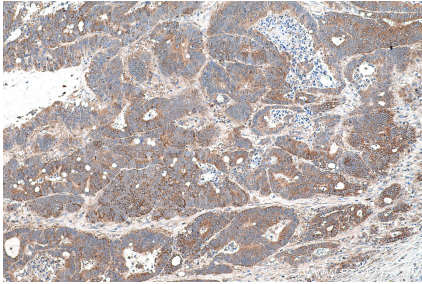
## Background

MTHFD1 is a trifunctional enzyme involved in the pathway tetrahydrofolate interconversion, which is part of One-carbon metabolism. MTHFD1 is associated with HCC and CRC progression. It has been reported that MTHFD-deficient patient fibroblasts exhibit enriched MTHFD1 in the nucleus which is critical for de novo dTMP synthesis.

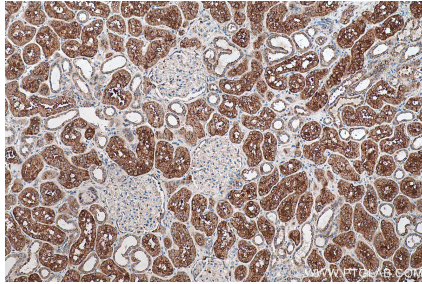
## Synonyms

MTHFC, MTHFD, MTHFD1

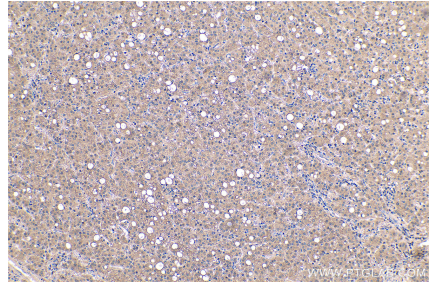
## Selected Validation Data



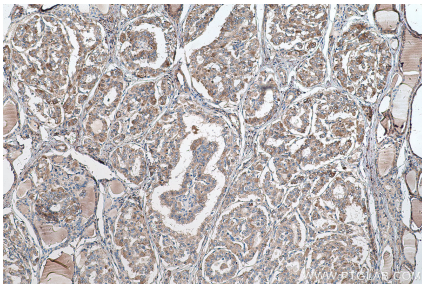
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using KHC0578 (MTHFD1 IHC Kit).



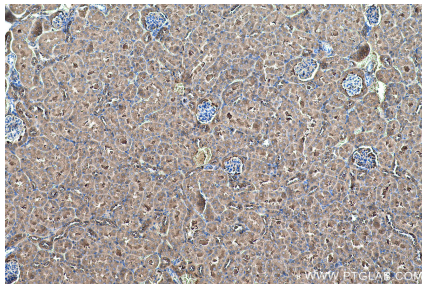
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using KHC0578 (MTHFD1 IHC Kit).



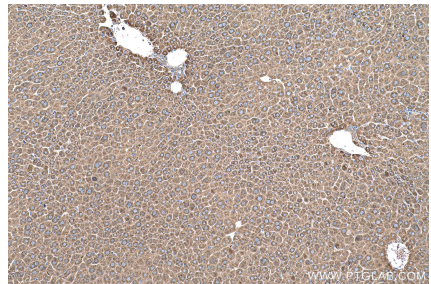
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using KHC0578 (MTHFD1 IHC Kit).



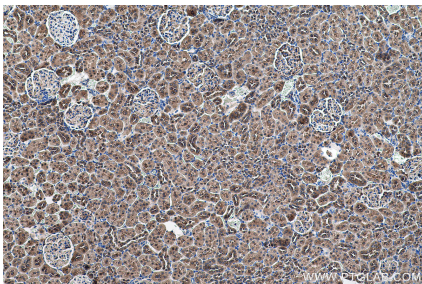
Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using KHC0578 (MTHFD1 IHC Kit).



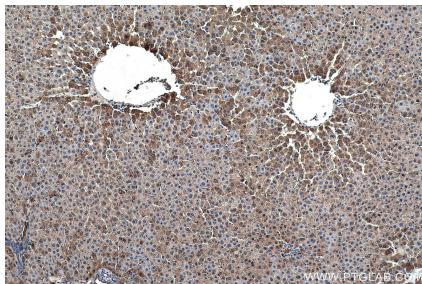
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using KHC0578 (MTHFD1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using KHC0578 (MTHFD1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using KHC0578 (MTHFD1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using KHC0578 (MTHFD1 IHC Kit).