

# IHC*easy* UCHL1 Ready-To-Use IHC Kit

Catalog Number: **KHC0054**

## 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.

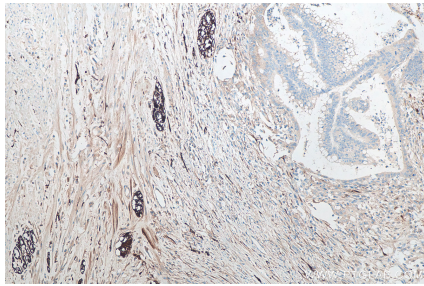
## Background

Ubiquitin C-terminal hydrolase L1 (UCHL1) was originally identified as a neuronal protein that accounts for nearly 2% of total brain proteins. UCHL1 activity protects neurons from hypoxic injury, and binding of stroke-induced reactive lipid species to the cysteine 152 (C152) of UCHL1 unfolds the protein and disrupts its function. Reduced hydrolytic activity of mutant UCHL1 is implicated in the pathophysiologic process of Parkinson's and Alzheimer's disease due to abnormal neurotoxic protein aggregation.

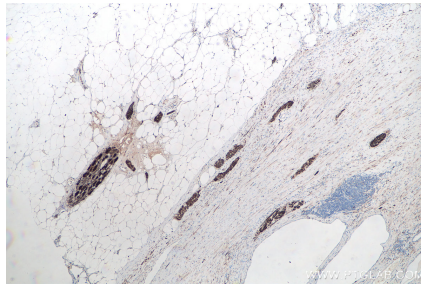
## Synonyms

Neuron cytoplasmic protein 9.5, PARK5, PGP 9.5, PGP9.5, Ubiquitin thioesterase L1, Uch L1, UCHL1, UCH-L1, UCHL1/PGP9.5

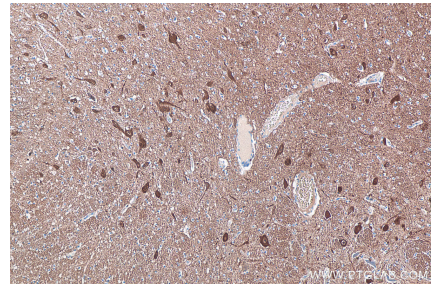
## Selected Validation Data



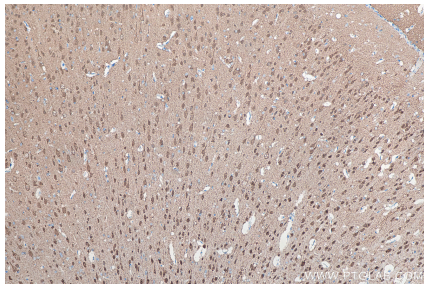
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using KHC0054 (UCLH1 IHC Kit).



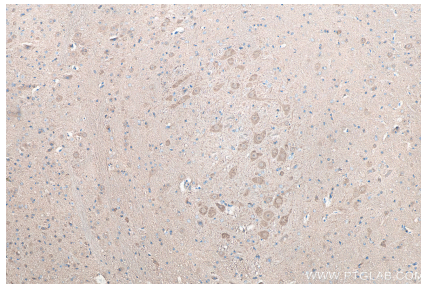
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using KHC0054 (UCLH1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human hypothalamus tissue slide using KHC0054 (UCLH1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using KHC0054 (UCLH1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using KHC0054 (UCLH1 IHC Kit).