

# IHCeasy<sup>®</sup> UBE2M/UBC12 Ready-To-Use IHC Kit

Catalog Number: **KHC3235**

## General Information

Sample type:  
FFPE tissue  
Cited sample type:  
Reactivity:  
Human, 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.

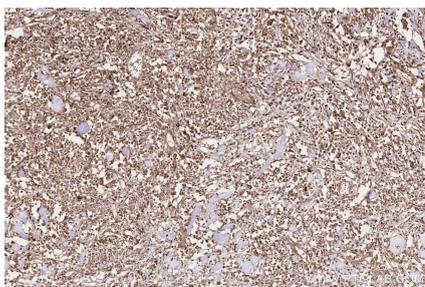
## Background

UBE2M (Ubiquitin-conjugating enzyme E2 M), also called UBC12, accepts the ubiquitin-like protein NEDD8 from the UBA3-NAE1 E1 complex and catalyzes its covalent attachment to other proteins. The specific interaction between UBE2M and the E3 ubiquitin ligase RBX1, but not RBX2, suggests that the RBX1-UBE2M complex neddylates specific target proteins, such as CUL1, CUL2, CUL3 and CUL4. Involved in cell proliferation.

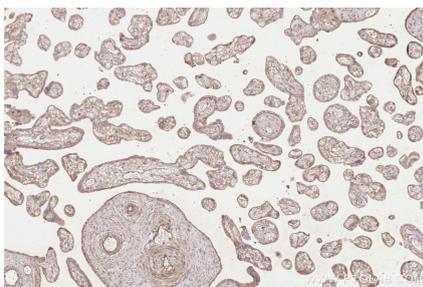
## Synonyms

UBE2M, EC:2.3.2.34, hUbc12, NEDD8 carrier protein, NEDD8 conjugating enzyme Ubc12

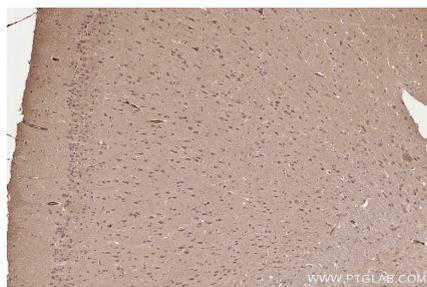
## Selected Validation Data



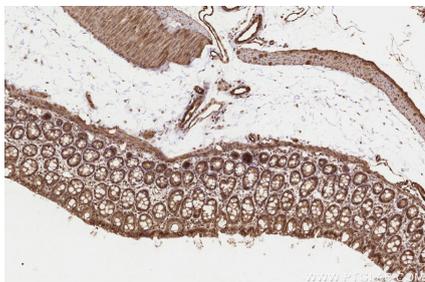
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using KHC3235 (UBE2M/UBC12 IHC Kit).



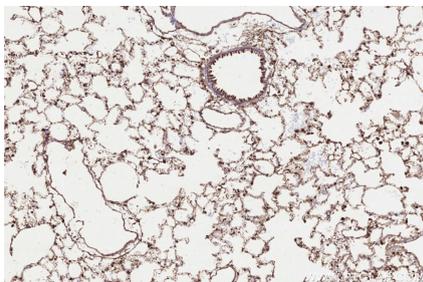
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using KHC3235 (UBE2M/UBC12 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using KHC3235 (UBE2M/UBC12 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat colon tissue slide using KHC3235 (UBE2M/UBC12 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat lung tissue slide using KHC3235 (UBE2M/UBC12 IHC Kit).