

IHCeasy CNOT6 Ready-To-Use IHC Kit

Catalog Number: **KHC2018**

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.

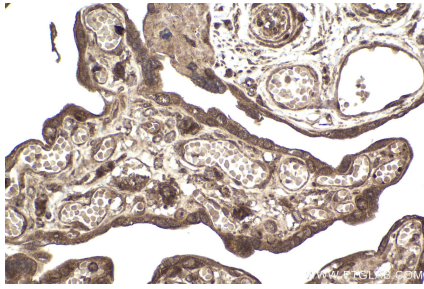
Background

The evolutionarily conserved CCR4-NOT (CNOT) complex regulates mRNA metabolism in eukaryotic cells. This regulation occurs at different levels of mRNA synthesis and degradation, including transcription initiation, elongation, deadenylation, and degradation. Multiple components, including CNOT1, CNOT2, CNOT3, CNOT4, CNOT6, CNOT6L, CNOT7, CNOT8, CNOT9, and CNOT10 have been identified in this complex. In addition, the subunit composition of this complex has been shown to vary among different tissues. The various CNOT proteins display different functions, with CNOT6, CNOT6L, CNOT7, and CNOT8 exhibiting 3'-5' RNase activity. Research studies indicate that the CCR4-NOT deadenylase subunits CNOT6 and CNOT6L help mediate cell survival and play a role in cell proliferation, P-body formation, and regulation of gene expression. Additional research evidence suggests that CNOT6 can act as a nuclear hormone receptor coactivator that associates with ZNF335 (NIF-1) to regulate expression from specific RAR α regulated genes.

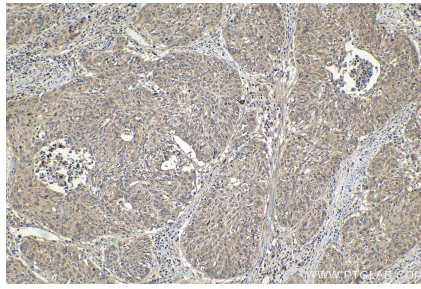
Synonyms

EC:3.1.13.4, Cytoplasmic deadenylase, CCR4-NOT transcription complex subunit 6, CCR4a, CCR4 carbon catabolite repression 4-like

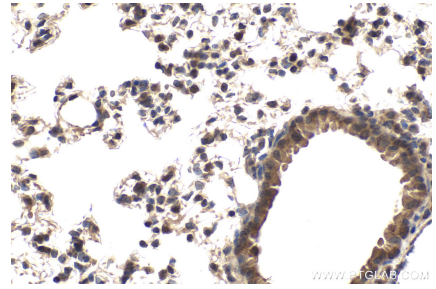
Selected Validation Data



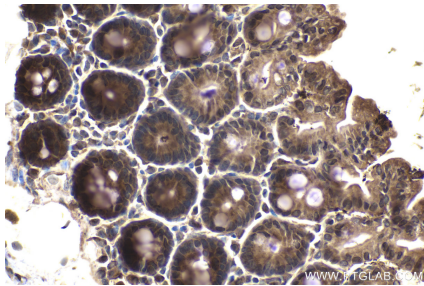
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using KHC2018 (CNOT6 IHC Kit).



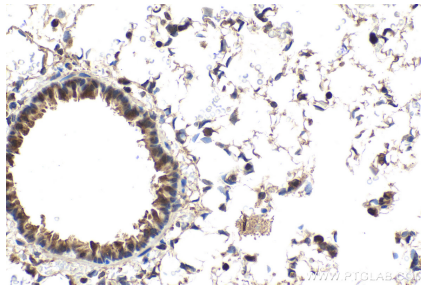
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using KHC2018 (CNOT6 IHC Kit).



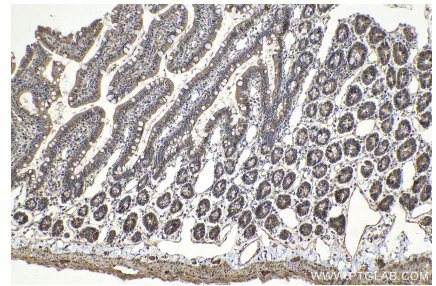
Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using KHC2018 (CNOT6 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse intestine tissue slide using KHC2018 (CNOT6 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat lung tissue slide using KHC2018 (CNOT6 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat small intestine tissue slide using KHC2018 (CNOT6 IHC Kit).