

IHC*easy* NEDD8 Ready-To-Use IHC Kit

Catalog Number: **KHC0901**

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

NEDD8 (neural precursor cell-expressed developmentally down-regulated gene 8) is a small ubiquitin-like protein that shares 60% sequence identity and 80% homology with ubiquitin. NEDD8 is conjugated to substrate proteins in a process known as neddylation. NEDD8 forms a thioester bond with APPBP1-Uba3, the E1 enzyme. Activated NEDD8 then transfers to Ubc12, the E2 enzyme. Ultimately, E2 loaded with NEDD8 binds a substrate protein lysine residue and forms an isopeptide bond by E3 ligase.

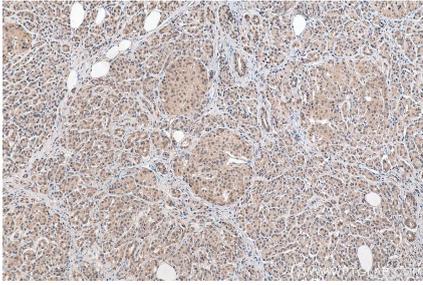
Synonyms

cul nedd8, Nedd 8, NEDD8, Neddylin, Ubiquitin like protein Nedd8

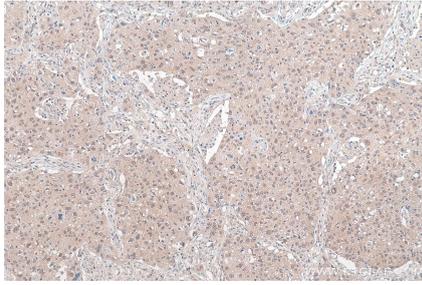
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

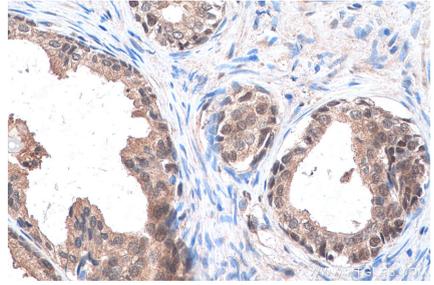
Selected Validation Data



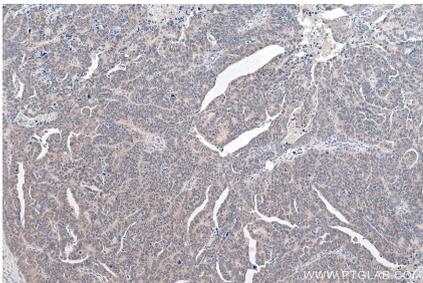
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using KHC0901 (NEDD8 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using KHC0901 (NEDD8 IHC Kit).



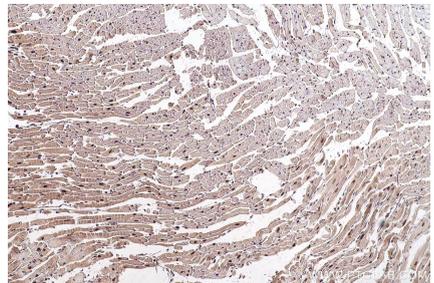
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using KHC0901 (NEDD8 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using KHC0901 (NEDD8 IHC Kit).



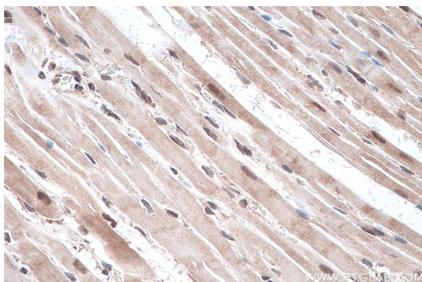
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using KHC0901 (NEDD8 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using KHC0901 (NEDD8 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using KHC0901 (NEDD8 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat heart tissue slide using KHC0901 (NEDD8 IHC Kit).