

IHC*easy* COPS5/JAB1 Ready-To-Use IHC Kit

Catalog Number: **KHC0921**

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.

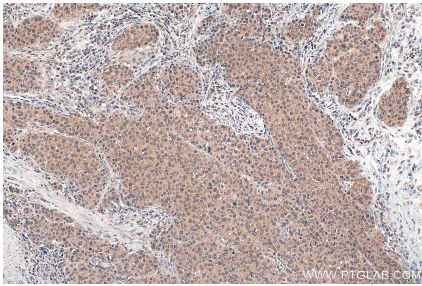
Background

Probable protease subunit of the COP9 signalosome complex (CSN), a complex involved in various cellular and developmental processes. The CSN complex is an essential regulator of the ubiquitin (Ubl) conjugation pathway by mediating the deneddylation of the cullin subunits of the SCF-type E3 ligase complexes, leading to decrease the Ubl ligase activity of SCF-type complexes such as SCF, CSA or DDB2. The complex is also involved in phosphorylation of p53/TP53, c-jun/JUN, IkappaBalpha/NFKBIA, ITPK1 and IRF8, possibly via its association with CK2 and PKD kinases. CSN-dependent phosphorylation of TP53 and JUN promotes and protects degradation by the Ubl system, respectively. In the complex, it probably acts as the catalytic center that mediates the cleavage of Nedd8 from cullins. It however has no metalloprotease activity by itself and requires the other subunits of the CSN complex. Interacts directly with a large number of proteins that are regulated by the CSN complex, confirming a key role in the complex. Promotes the proteasomal degradation of BRSK2.

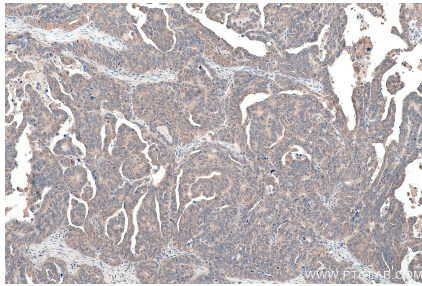
Synonyms

COPS5, CSN5, JAB1, MOV 34, SGN5, Signalosome subunit 5

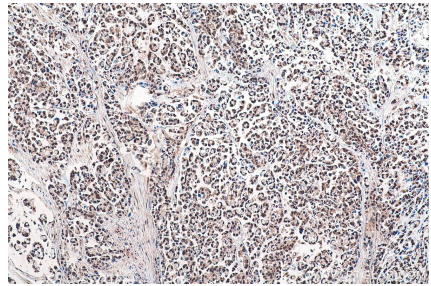
Selected Validation Data



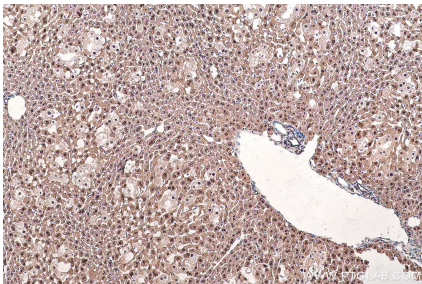
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using KHC0921 (COPS5/JAB1 IHC Kit).



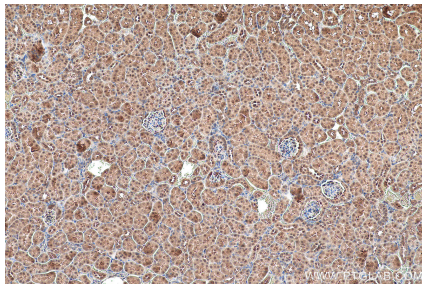
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using KHC0921 (COPS5/JAB1 IHC Kit).



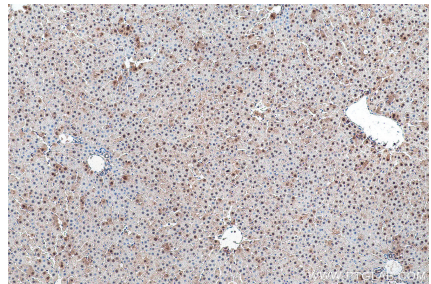
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using KHC0921 (COPS5/JAB1 IHC Kit).



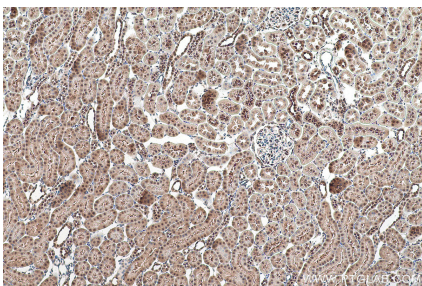
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using KHC0921 (COPS5/JAB1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using KHC0921 (COPS5/JAB1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using KHC0921 (COPS5/JAB1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using KHC0921 (COPS5/JAB1 IHC Kit).