

## Product datasheet for **AP51024PU-N**

### **COPS7A (C-term) Rabbit Polyclonal Antibody**

#### **Product data:**

|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Applications:           | IHC, WB  |
| Recommended Dilution:   | <b>ELISA:</b> 1/1000.<br><b>Western blot:</b> 1/100 - 1/500.<br><b>Immunohistochemistry on paraffin sections:</b> 1/10 - 1/50. |
| Reactivity:             | Human  |
| Host:                   | Rabbit   |
| Isotype:                | Ig   |
| Clonality:              | Polyclonal   |
| Immunogen:              | KLH conjugated synthetic peptide between 244-274 amino acids from the C-terminal region of human COPS7A                        |
| Specificity:            | This antibody reacts to COPS7A.  |
| Formulation:            | PBS<br>State: Aff - Purified<br>State: Liquid purified Ig fraction<br>Preservative: 0.09% (W/V) sodium azide                   |
| Concentration:          | lot specific   |
| Purification:           | Affinity chromatography on Protein A   |
| Conjugation:            | Unconjugated   |
| Storage:                | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing.           |
| Stability:              | Shelf life: one year from despatch.  |
| Predicted Protein Size: | 30277 Da   |
| Gene Name:              | COP9 signalosome subunit 7A  |
| Database Link:          | <a href="#">Entrez Gene 50813 Human Q9UBW8</a>   |



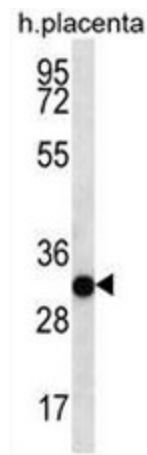
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**Background:**

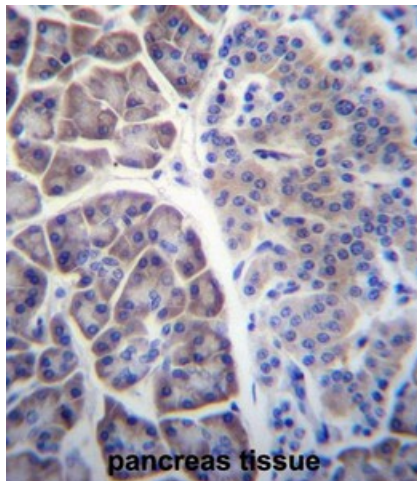
Component of the COP9 signalosome complex (CSN), a complex involved in various cellular and developmental processes. The CSN complex is an essential regulator of the ubiquitin (Ubl) conjugation pathway by mediating the deneddylation of the cullin subunits of SCF-type E3 ligase complexes, leading to decrease the Ubl ligase activity of SCF-type complexes such as SCF, CSA or DDB2. The complex is also involved in phosphorylation of p53/TP53, JUN, I-kappa-B-alpha/NFKBIA, ITPK1 and IRF8/ICSBP, 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.

**Synonyms:**

Signalosome subunit 7a, SGN7a, CSN7A, DERP10

**Product images:**


COPS7A Antibody (C-term) western blot analysis in human placenta tissue lysates (35ug/lane). This demonstrates the COPS7A antibody detected the COPS7A protein (arrow).



COPS7A Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of COPS7A Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.