

COPS7A Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP12810b

Specification

COPS7A Antibody (C-term) - Product Information

Application IHC-P, WB,E Primary Accession O9UBW8

Other Accession Q9CZ04, NP 057403.1

Reactivity
Predicted
Host
Clonality
Isotype
Calculated MW
Antigen Region

Human
Mouse
Rabbit
Polyclonal
Rabbit IgG
237-266

COPS7A Antibody (C-term) - Additional Information

Gene ID 50813

Other Names

COP9 signalosome complex subunit 7a, SGN7a, Signalosome subunit 7a, Dermal papilla-derived protein 10, JAB1-containing signalosome subunit 7a, COPS7A, CSN7A, DERP10

Target/Specificity

This COPS7A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 237-266 amino acids from the C-terminal region of human COPS7A.

Dilution

IHC-P~~1:10~50 WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

COPS7A Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

COPS7A Antibody (C-term) - Protein Information



Name COPS7A

Synonyms CSN7A, DERP10

Function 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 (UbI) conjugation pathway by mediating the deneddylation of the cullin subunits of SCF- type E3 ligase complexes, leading to decrease the UbI 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 UbI system, respectively.

Cellular Location Cytoplasm. Nucleus

Tissue Location

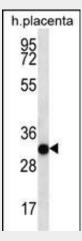
Widely expressed. Expressed at high level in brain, heart and skeletal muscle.

COPS7A Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

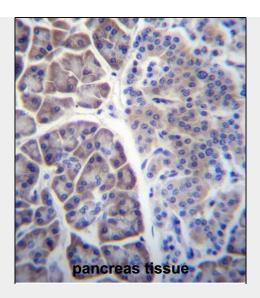
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

COPS7A Antibody (C-term) - Images



COPS7A Antibody (C-term) (Cat. #AP12810b) western blot analysis in human placenta tissue lysates (35ug/lane). This demonstrates the COPS7A antibody detected the COPS7A protein (arrow).





COPS7A Antibody (C-term) (Cat. #AP12810b)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.

COPS7A Antibody (C-term) - 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 (UbI) conjugation pathway by mediating the deneddylation of the cullin subunits of SCF-type E3 ligase complexes, leading to decrease the UbI 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 UbI system, respectively.

COPS7A Antibody (C-term) - References

Matsuoka, S., et al. Science 316(5828):1160-1166(2007) Stelzl, U., et al. Cell 122(6):957-968(2005) Obuse, C., et al. Nat. Cell Biol. 6(11):1135-1141(2004) Wolf, D.A., et al. Nat. Cell Biol. 5(12):1029-1033(2003) Groisman, R., et al. Cell 113(3):357-367(2003)