

Summary

Production Name	TRIP15 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-P,IF-P,IF-F,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat,Monkey

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	COPS2
Alternative Names	COPS2; CSN2; TRIP15; COP9 signalosome complex subunit 2; SGN2; Signalosome subunit 2; Alien homolog; JAB1-containing signalosome subunit 2; Thyroid receptor-interacting protein 15; TR-interacting protein 15; TRIP-15
Gene ID	9318.0
SwissProt ID	P61201.The antiserum was produced against synthesized peptide derived from human COPS2. AA range:181-230

Application

Dilution Ratio	WB 1:500-1:2000, IHC-P 1:100-1:300, IF-P/IF-F/ICC/IF 1:200-1:1000, ELISA
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1:20000. Not yet tested in other applications.

Molecular Weight

55kDa

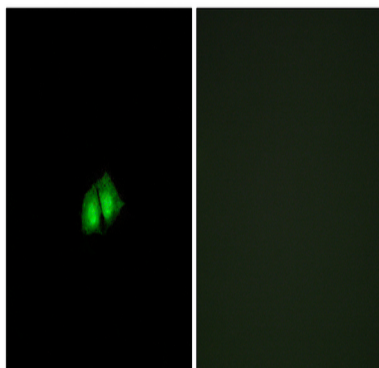
Background

function: Essential 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, c-jun/JUN, IkappaBalpha/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. Involved in early stage of neuronal differentiation via its interaction with NIF3L1., PTM: Phosphorylated by CK2 and PKD kinases., similarity: Belongs to the CSN2 family., similarity: Contains 1 PCI domain., subunit: Interacts with NIF3L1 (By similarity). Component of the CSN complex, composed of COPS1/GPS1, COPS2, COPS3, COPS4, COPS5, COPS6, COPS7 (COPS7A or COPS7B) and COPS8. In the complex, it probably interacts directly with COPS1, COPS4, COPS5, COPS6 and COPS7 (COPS7A or COPS7B). Interacts with CUL1 and CUL2. Specifically interacts with the ligand binding domain of the thyroid receptor (TR). Does not require the presence of thyroid hormone for its interaction. Interacts with IRF8/ICSBP1 and with nuclear receptors NR2F1 and NR0B1., function: Essential 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, c-jun/JUN, IkappaBalpha/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. Involved in early stage of neuronal differentiation via its interaction with NIF3L1., PTM: Phosphorylated by CK2 and PKD kinases., similarity: Belongs to the CSN2 family., similarity: Contains 1 PCI domain., subunit: Interacts with NIF3L1 (By similarity). Component of the CSN complex, composed of COPS1/GPS1, COPS2, COPS3, COPS4, COPS5, COPS6, COPS7 (COPS7A or COPS7B) and COPS8. In the complex, it probably interacts directly with COPS1, COPS4, COPS5, COPS6 and COPS7 (COPS7A or COPS7B). Interacts with CUL1 and CUL2. Specifically interacts with the ligand binding domain of the thyroid receptor (TR). Does not require the presence of thyroid hormone for its interaction. Interacts with IRF8/ICSBP1 and with nuclear receptors NR2F1 and NR0B1.,

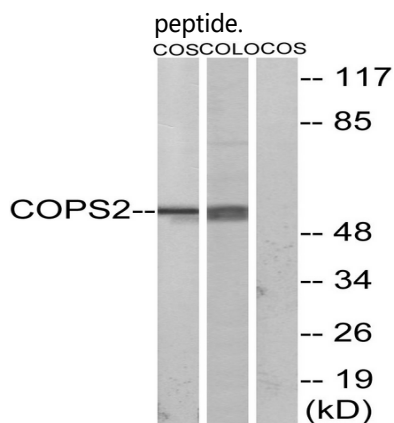
Research Area

Image Data

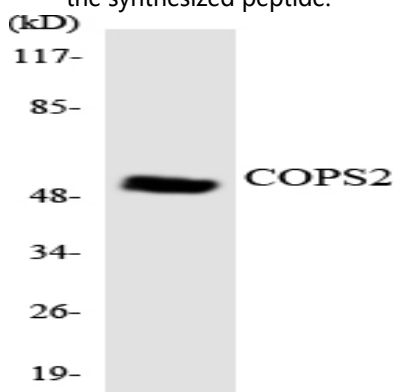
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Immunofluorescence analysis of A549 cells, using COPS2 Antibody. The picture on the right is blocked with the synthesized

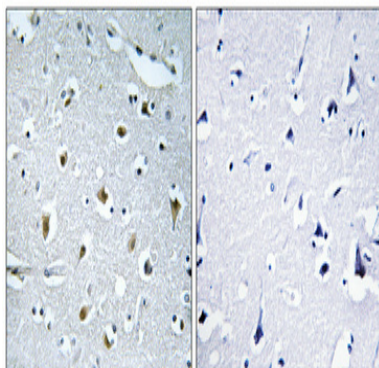


Western blot analysis of lysates from COS7 and COLO205 cells, using COPS2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from 293 cells using COPS2 antibody.

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Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4°,overnight) . High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.

Note

For research use only.