

COPS2 / TRIP15 / ALIEN Antibody
Rabbit Polyclonal Antibody
Catalog # ALS17250**Specification**

COPS2 / TRIP15 / ALIEN Antibody - Product Information

Application	IHC-P, IF, WB
Primary Accession	P61201
Other Accession	9318
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	51597

COPS2 / TRIP15 / ALIEN Antibody - Additional Information**Gene ID** 9318**Other Names**

COPS2, Alien homolog, ALIEN, SGN2, TRIP15, TR-interacting protein 15, Signalosome subunit 2, TRIP-15

Target/Specificity

Human COPS2 / TRIP15 / ALIEN.

Reconstitution & Storage

PBS, pH 7.3, 0.02% sodium azide, 50% glycerol. Long term: -80°C; Short term: -20°C. Avoid freeze-thaw cycles.

Precautions

COPS2 / TRIP15 / ALIEN Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

COPS2 / TRIP15 / ALIEN Antibody - Protein Information**Name** COPS2**Synonyms** CSN2, TRIP15**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.

Cellular Location

Cytoplasm. Nucleus

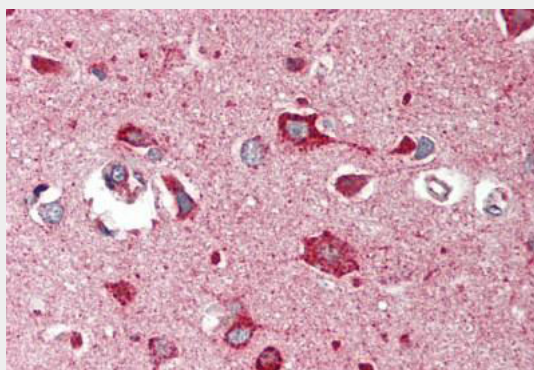
Volume

50 μ l

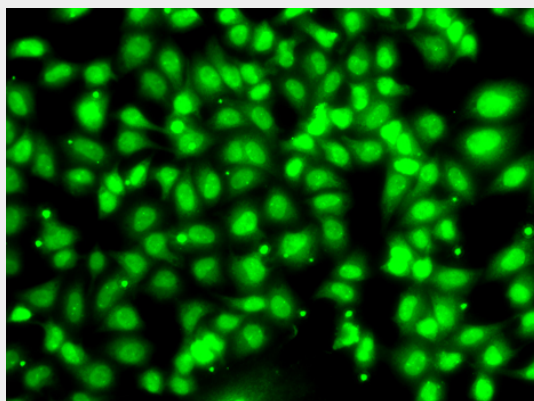
COPS2 / TRIP15 / ALIEN Antibody - Protocols

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

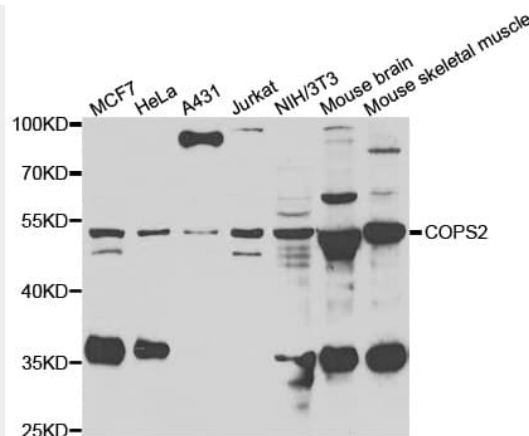
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

COPS2 / TRIP15 / ALIEN Antibody - Images

Human Brain, Cortex: Formalin-Fixed, Paraffin-Embedded (FFPE)



Immunofluorescence blot of U2OS cell using COPS2 antibody.



Western blot analysis of extracts of various cell lines, using COPS2 antibody.

COPS2 / TRIP15 / ALIEN Antibody - Background

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.

COPS2 / TRIP15 / ALIEN Antibody - References

Dumdey R.,et al.Submitted (AUG-1998) to the EMBL/GenBank/DDBJ databases.
Hu R.-M.,et al.Proc. Natl. Acad. Sci. U.S.A. 97:9543-9548(2000).
Peng Y.,et al.Submitted (DEC-1999) to the EMBL/GenBank/DDBJ databases.
Halleck A.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Lee J.W.,et al.Mol. Endocrinol. 9:243-254(1995).