10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

COPS2 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13429a

Specification

COPS2 Antibody (N-term) - Product Information

Application	**WB, IHC-P, IF,E**
Primary Accession	P61201, P61202, P61203
Other Accession	Q6IR75, Q6IQT4, NP_004227.1, P61201, P61202, P61203
Reactivity	**Human, Mouse, Rat**
Predicted	**Zebrafish, Xenopus**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**1-30**

COPS2 Antibody (N-term) - Additional Information

Other Names
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, COPS2, CSN2, TRIP15

Target/Specificity
This COPS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human COPS2.

Dilution
WB~~1:1000
IHC-P~~1:25
IF~~1:25
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
COPS2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

COPS2 Antibody (N-term) - Protein Information

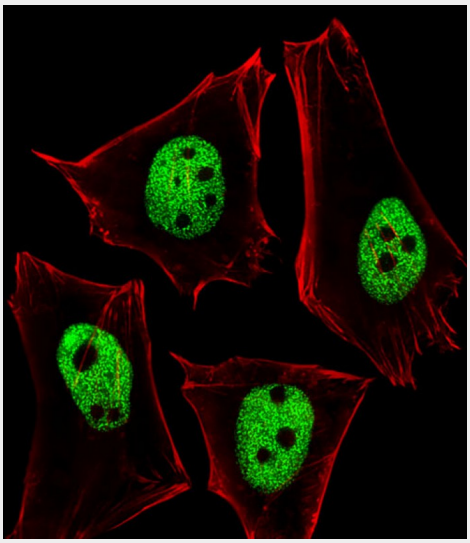
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

COPS2 Antibody (N-term) - Protocols

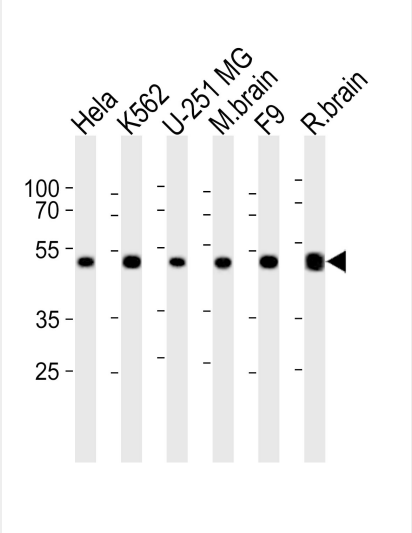
Provided below are standard protocols that you may find useful for product applications.

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

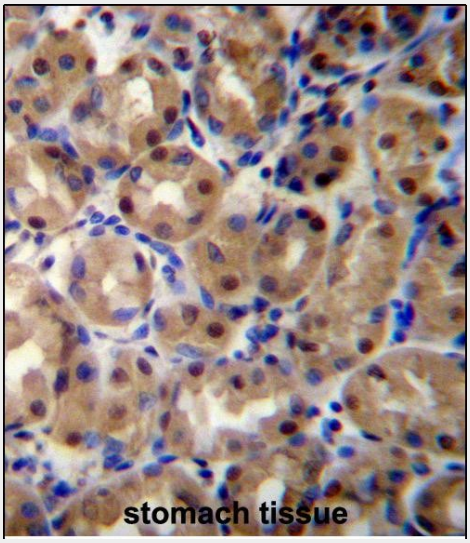
COPS2 Antibody (N-term) - Images



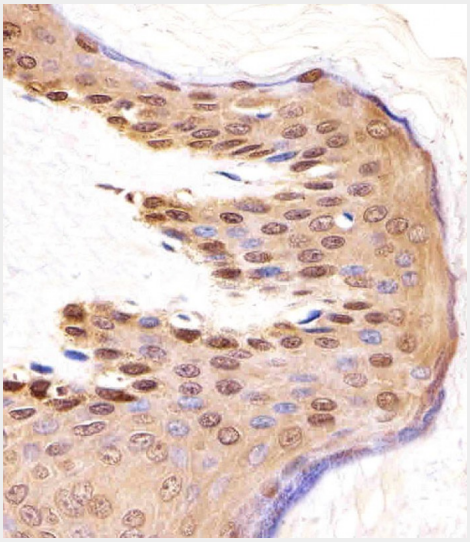
Fluorescent image of Hela cells stained with COPS2 Antibody (N-term) (Cat#AP13429a). AP13429a was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).



Western blot analysis of lysates from Hela, K562, U-251 MG cell line, mouse brain tissue, mouse F9 cell line, rat brain tissue (from left to right), using COPS2 Antibody (N-term) (Cat. #AP13429a). AP13429a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.



COPS2 Antibody (N-term) (Cat. #AP13429a) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of COPS2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Immunohistochemical analysis of paraffin-embedded human skin section using COPS2 Antibody (N-term) (Cat#AP13429a). AP13429a was diluted at 1:25 dilution. An undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

COPS2 Antibody (N-term) - 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 Antibody (N-term) - References

Kob, R., et al. Cell Cycle 8(13):2041-2049(2009)
Leal, J.F., et al. Oncogene 27(14):1961-1970(2008)
Fegers, I., et al. J. Proteome Res. 6(11):4182-4188(2007)
Tenbaum, S.P., et al. Biochim. Biophys. Acta 1773(9):1447-1454(2007)
Papaioannou, M., et al. Nucl Recept Signal 5, E008 (2007) :