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Goat Anti-CSN2 / TRIP15 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1281a

Specification

Goat Anti-CSN2 / TRIP15 Antibody - Product Information

Application	**WB, IHC**
Primary Accession	P61201
Other Accession	NP_001137359, 9318, 12848 (mouse), 261736 (rat)
Reactivity	**Human, Mouse**
Predicted	**Rat, Dog, Cow**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**51597**

Goat Anti-CSN2 / TRIP15 Antibody - Additional Information

Gene ID 9318

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

Format
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-CSN2 / TRIP15 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-CSN2 / TRIP15 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

Goat Anti-CSN2 / TRIP15 Antibody - Protocols

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

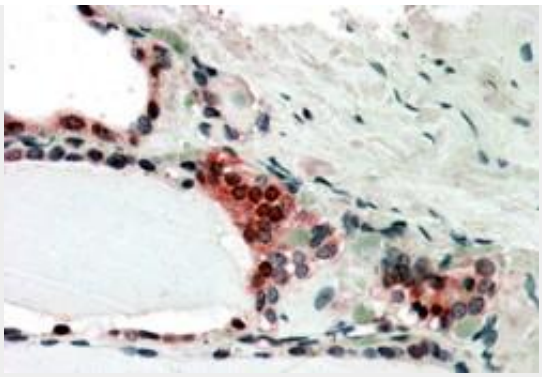
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-CSN2 / TRIP15 Antibody - Images



AF1281a staining (0.03 µg/ml) of NIH-3T3 lysates (RIPA buffer, 30 µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

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In paraffin embedded Human Thyroid Gland shows nclear and cytoplasm staining in activated epithelial cells Recommended concentration, 3-5 µg/ml.

Goat Anti-CSN2 / TRIP15 Antibody - References

Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732.
Regulation of the anaphase-promoting complex by the COP9 signalosome. Kob R, et al. Cell Cycle, 2009 Jul 1. PMID 19535905.
The coregulator Alien. Papaioannou M, et al. Nucl Recept Signal, 2007 Nov 30. PMID 18174916.
Association of SAP130/SF3b-3 with Cullin-RING ubiquitin ligase complexes and its regulation by the COP9 signalosome. Menon S, et al. BMC Biochem, 2008 Jan 3. PMID 18173839.
Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348.