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Tel: 858.875.1900 Fax: 858.875.1999

COPS9 Rabbit pAb

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Catalog # AP94131

Specification

COPS9 Rabbit pAb - Product Information

Application	WB
Primary Accession	Q8WXC6
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	6/27 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MYEOV2
Isotype	IgG

Purity
affinity purified by Protein A

Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus; nucleoplasm
SIMILARITY	Belongs to the CSN9 family.
SUBUNIT	Component of the CSN complex, composed of COPS1/GPS1, COPS2, COPS3, COPS4, COPS5, COPS6, COPS7 (COPS7A or COPS7B), COPS8 and COPS9 isoform 1. In the complex, it interacts directly with COPS3, COPS5 and COPS6 (PubMed:26456823). Isoform 2 associates with CSN complex (PubMed:23776465). Isoform 2 interacts with COPS5, CUL1, CUL3 and RPL11 (PubMed:23776465). According to PubMed:26456823, does not associate with CSN complex.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions
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. Plays a role in cell proliferation.

COPS9 Rabbit pAb - Additional Information

Gene ID 150678

Other Names
COP9 signalosome complex subunit 9, CSN acidic protein, CSNAP, Myeloma-overexpressed gene 2 protein {ECO:0000303|Ref.1}, COPS9 (HGNC:21314)

Dilution
WB~~1:1000

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

COPS9 Rabbit pAb - Protein Information

Name COPS9 (HGNC:21314)

Function
[Isoform 1]: 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. Plays a role in cell proliferation.

Cellular Location
[Isoform 1]: Nucleus. Cytoplasm Nucleus, nucleoplasm. Note=Excluded from the nucleolus. Recruited to the nucleoplasm and chromatin following DNA damage induction.

COPS9 Rabbit pAb - 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

COPS9 Rabbit pAb - Images

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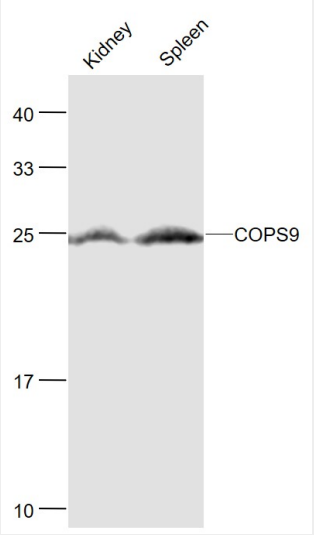

Sample: Kidney (Mouse) Lysate at 40 ug Spleen (Mouse) Lysate at 40 ug Primary: Anti- COPS9 (AP94131) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 6’27 kD Observed band size: 25 kD

COPS9 Rabbit pAb - Background

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