

Datasheet for 600-401-AP2**CSN8 Antibody****Overview**

Description:	Anti-CSN8 (RABBIT) Antibody - 600-401-AP2
Item No.:	600-401-AP2
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The COP9 signalosome (CSN) is an evolutionarily conserved protein complex of the eight subunits that interacts with deubiquitinating enzymes and protein kinases and is highly homologous to the lid sub-complex of 26S proteasome. The CSN complex is an essential regulator of the ubiquitin conjugation pathway by mediating the deneddylation of the SCF-type E3 ligase complexes, which leads to a decrease in ubiquitin ligase activity of SCF-complexes such as SCF, CSA or DDB2. It is also involved in phosphorylation of p53, c-jun/JUN, ITPK1 and IRF8/ICSBP, possibly via its association with CK2 and PKD kinases. CSN8 encodes the smallest and the least conserved but first identified subunit of CSN. Recent studies show CSN8 is essential for Drosophila development and is essential for peripheral T cell homeostasis and antigen receptor-induced entry into the cell cycle from quiescence.
Synonyms:	CSN8 Antibody, COP9, CSN8, SGN8, COP9 signalosome complex subunit 8, COP9 homolog
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	COPS8
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-CSN8 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide near the C-terminus of the human CSN8.
Purity/Specificity:	Anti-CSN8 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with CSN8 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q99627 • GeneID - 10920 • NCBI - NP_006701

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-CSN8 Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 23 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:20,000
WB:	2 µg/mL

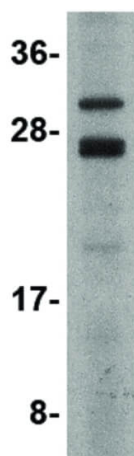
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of CSN8 antibody. Lane 1: Human liver lysate at 2 µg/mL. Load: 35 µg per lane. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 23.2 kDa, ~27 & 30 kDa for CSN8.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.