

Datasheet for ABIN2784840  
**anti-COPS8 antibody (Middle Region)**[Go to Product page](#)

3 Images

1 Publication

## Overview

Quantity:	100 µL
Target:	COPS8
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Horse, Rabbit, Cow, Guinea Pig, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COPS8 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human COPS8
Sequence:	TRMVLPRKPV AGALDVSFNK FIPLSEPAPV PPIPNEQQLA RLTDYVAFLE
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against COPS8. It was validated on Western Blot.
Purification:	Affinity Purified

## Target Details

Target:	COPS8
Alternative Name:	COPS8 ( <a href="#">COPS8 Products</a> )

## Target Details

Background:	<p>The protein encoded by this gene is one of the eight subunits of COP9 signalosome, a highly conserved protein complex that functions as an important regulator in multiple signaling pathways. The structure and function of COP9 signalosome is similar to that of the 19S regulatory particle of 26S proteasome. COP9 signalosome has been shown to interact with SCF-type E3 ubiquitin ligases and act as a positive regulator of E3 ubiquitin ligases.</p> <p>Alternatively spliced transcript variants encoding distinct isoforms have been observed.</p> <p>Alias Symbols: COP9, CSN8, MGC1297, MGC43256, SGN8</p> <p>Protein Interaction Partner: USHBP1, GPS1, cul1, WDR77, SRRT, COPS7A, VIM, COPS4, FBXO6, FBXW4, COPS5, vpr, IRF5, DDIT3, COPS2, COPS3, COPS6, PINK1, RFWD2, CUL4A, UBC, LRR1, DDA1, DDB2, DCUN1D1, VPRBP, CUL2, CUL3, CUL4B, CUL5, NEDD8, JUN, GFER, ERCC8, DDB1, CTNNB1, RAE1, COPS8, EIF3E</p> <p>Protein Size: 209</p>
Molecular Weight:	23 kDa
Gene ID:	10920
NCBI Accession:	<a href="#">NM_006710</a> , <a href="#">NP_006701</a>
UniProt:	<a href="#">Q99627</a>
Pathways:	<a href="#">Cell Division Cycle</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 209 AA
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

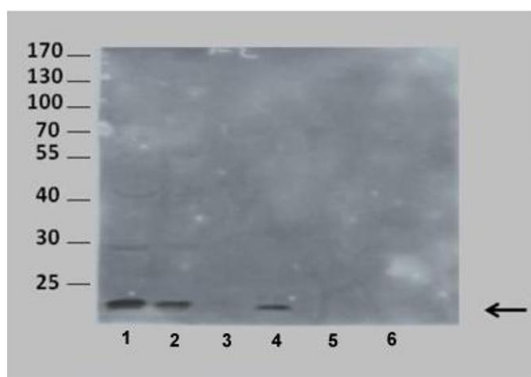
## Publications

Product cited in: Gerhard, Wagner, Feingold, Shenmen, Grouse, Schuler, Klein, Old, Rasooly, Good, Guyer, Peck, Derge, Lipman, Collins, Jang, Sherry, Feolo, Misquitta, Lee, Rotmistrovsky, Greenhut, Schaefer, Buetow et al.: "The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). ..." in: **Genome research**, Vol. 14, Issue 10B, pp. 2121-7, (2004) ([PubMed](#)).

## Images



**COPS8**



See Immunoblot 2 Data and Customer Feedback tab for more information.

### Western Blotting

#### Image 1. WB Suggested Anti-COPS8 Antibody Titration:

0.2-1 ug/ml

**ELISA Titer:** 1:312500

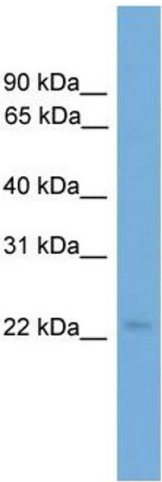
**Positive Control:** HepG2 cell lysate

### Western Blotting

#### Image 2. Sample Type:

1. B8 mouse fibroblast cells, extraction only
2. HEK 293 cells, extraction only
3. HEK 293 cells, purified
4. Human Blood cells, partially pure
5. Human Blood cells, pure
6. S. pombe, extraction only

**Primary Dilution:** 1:200



**Secondary Anitbody:** HRP conjugated anti-rabbit

**Image Submitted By:** Dr. Elah Pick

University of Haifa at Oranim

#### Western Blotting

**Image 3.** WB Suggested Anti-COPS8

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1::12500

Positive Control: HepG2 cell lysate

There is BioGPS gene expression data showing that COPS8 is expressed in HepG2