

Datasheet for ABIN2774165
anti-COPS4 antibody (Middle Region)[Go to Product page](#)[1 Image](#)[1 Publication](#)

Overview

Quantity:	100 µL
Target:	COPS4
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Dog, Horse, Guinea Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COPS4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human COPS4
Sequence:	YKLETYLKIA RLYLEDDDPV QAEAYINRAS LLQNESTNEQ LQIHYKVCYA
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against COPS4. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	COPS4
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Target Details

Alternative Name:	COPS4 (COPS4 Products)
Background:	<p>COPS4 is one of eight subunits composing 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. This gene encodes one of eight subunits composing 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p> <p>Alias Symbols: MGC10899, MGC15160, CSN4</p> <p>Protein Interaction Partner: USHBP1, GPS1, UBC, Skp2, PRMT5, KPNA2, HSP90AB1, EPB41L2, EPB41L1, CAST, WDR77, ENAH, DCAF8, COPS5, STIP1, COPS6, YWHAQ, FOS, COPS8, COPS7A, FBXO6, BAG3, FBXW4, vpr, IRF5, COPS7B, COPS2, COPS3, TOR1AIP2, LRR1, FBXO17, DCAF11, DDA1, RFWD2, KLHL42, GRK5, DD</p> <p>Protein Size: 406</p>
Molecular Weight:	46 kDa
Gene ID:	51138
NCBI Accession:	NM_016129 , NP_057213
UniProt:	Q9BT78
Pathways:	Cell Division Cycle

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 406 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
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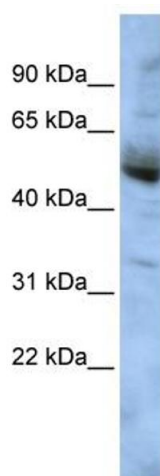
Handling

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 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:	Ewing, Chu, Elisma, Li, Taylor, Climie, McBroom-Cerajewski, Robinson, OConnor, Li, Taylor, Dharsee, Ho, Heilbut, Moore, Zhang, Ornatsky, Bukhman, Ethier, Sheng, Vasilescu, Abu-Farha, Lambert, Duewel et al.: "Large-scale mapping of human protein-protein interactions by mass spectrometry. ..." in: Molecular systems biology , Vol. 3, pp. 89, (2007) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-COPS4 Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:312500

Positive Control: HepG2 cell lysate