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Datasheet for ABIN2777332
anti-COPS5 antibody (N-Term)

2 Images

Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | COPS5 |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Mouse, Rat, Zebrafish (Danio rerio), Horse, Guinea Pig, Rabbit, Cow, Dog |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This COPS5 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

| | |
|-----------------------|---|
| Immunogen: | The immunogen is a synthetic peptide directed towards the N terminal region of human COPS5 |
| Sequence: | AASGSGMAQK TWELANNMQE AQSIDEIYKY DKKQQQEILA AKPWTKDHHY |
| Predicted Reactivity: | Cow: 93%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 93% |
| Characteristics: | This is a rabbit polyclonal antibody against COPS5. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification: | Affinity Purified |

Target Details

| | |
|---------|-------|
| Target: | COPS5 |
|---------|-------|

Target Details

Alternative Name: COPS5 ([COPS5 Products](#))

Background: COPS5 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. This protein is reported to be involved in the degradation of cyclin-dependent kinase inhibitor CDKN1B/p27Kip1. It is also known to be an coactivator that increases the specificity of JUN/AP1 transcription factors. 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. This protein is reported to be involved in the degradation of cyclin-dependent kinase inhibitor CDKN1B/p27Kip1. It is also known to be an coactivator that increases the specificity of JUN/AP1 transcription factors.

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.

Alias Symbols: CSN5, JAB1, MGC3149, MOV-34, SGN5

Protein Interaction Partner: COPS6, UBC, CUL1, NEDD8, PTGS2, GPS1, LRP1, RANBP9, APP, SIAH1, BACE1, CTNNB1, COPS5, STAT3, CREB3, COPS4, SART3, COPS3, EPB41L1, CAST, KIF5B, PDLIM7, SMAD4, FBXO6, COPS2, TYK2, CDK2, CENPW, CENPT, FBXW4, MYEOV2, COPS8, CHUK, IKBKB, DTL, CD93, DDO, SMAD2,

Protein Size: 334

Molecular Weight: 37 kDa

Gene ID: 10987

NCBI Accession: [NM_006837](#), [NP_006828](#)

UniProt: [Q92905](#)

Pathways: [Cell Division Cycle](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 334 AA

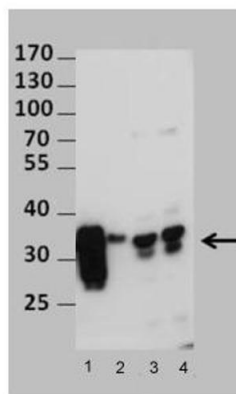
Restrictions: For Research Use only

Handling

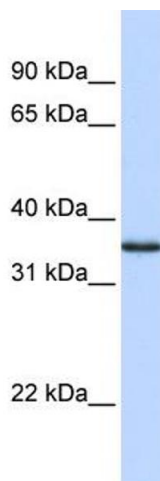
| | |
|--------------------|---|
| Format: | Liquid |
| Concentration: | Lot specific |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS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

Images

COPS5



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



Western Blotting

Image 1. Sample Type: 1. Human blood cells, pure
2. Human blood cells, partially purified
3. and 4. Human total cell extract, extraction only

Primary Dilution: 1:500

Secondary Antibody: HRP conjugated anti-rabbit

Image Submitted By: Dr. Elah Pick

University of Haifa at Oranim

Western Blotting

Image 2. WB Suggested Anti-COPS5 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:2500
Positive Control: Human Muscle