

Datasheet for ABIN2777618
anti-COPS5 antibody (N-Term)



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2 Images

Overview

Quantity:	100 µL
Target:	COPS5
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COPS5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human COPS5
Sequence:	NMQEAQSIDE IYKYDKKQQQ EILAAKPWTK DHHYFKYCKI SALALLKMVM
Characteristics:	This is a rabbit polyclonal antibody against COPS5. It was validated on Western Blot and immunohistochemistry.
Purification:	Affinity Purified

Target Details

Target:	COPS5
Alternative Name:	COPS5 (COPS5 Products)
Background:	The protein encoded by COPS5 is one of the eight subunits of COP9 signalosome, a highly

Target Details

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 a coactivator that increases the specificity of JUN/AP1 transcription factors.

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

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: 38 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

Handling

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



Western Blotting

Image 1. WB Suggested Anti-COPS5 Antibody Titration: 0.2-1 ug/ml Positive Control: HepG2 cell lysate



Rabbit Anti-COPS5 Antibody
Catalog Number: ARP32834
Lot Number: QC2309
Paraffin Embedded Tissue: Human Heart
Cells with Positive label: Myocardial cells (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

Immunohistochemistry

Image 2. Human Heart