Datasheet for ABIN2778315

anti-COPS2 antibody (N-Term)

2 Images

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Overview

Quantity:	100 µL
Target:	COPS2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Zebrafish (Danio rerio), Rabbit, Guinea Pig, Horse, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COPS2 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 COPS2
Sequence:	SDMEDDFMCD DEEDYDLEYS EDSNSEPNVD LENQYYNSKA LKEDDPKAAL
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Yeast: 85%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against COPS2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	COPS2

Target Details

Alternative Name:	COPS2 (COPS2 Products)
Background:	COPS2 is an essential component of the COP9 signalosome complex (CSN). The CSN complex is an essential regulator of the ubiquitin (Ubl) conjugation pathway by mediating the deneddylation of the cullin subunits of SCF-type E3 ligase complexes, leading to decrease the Ubl ligase activity of SCF-type complexes such as SCF, CSA or DDB2. The complex is also involved in phosphorylation of p53/TP53, c-jun/JUN, IkappaBalpha/NFKBIA, ITPK1 and IRF8/ICSBP, possibly via its association with CK2 and PKD kinases. CSN-dependent phosphorylation of TP53 and JUN promotes and protects degradation by the Ubl system, respectively. COPS2 is involved in early stage of neuronal differentiation via its interaction with NIF3L1. Alias Symbols: ALIEN, CSN2, SGN2, TRIP15 Protein Interaction Partner: UBC, GPS1, Map3k10, 5830415F09Rik, Taf1b, EP300, Crebbp, cul1, COPS7B, EPB41L1, COPS5, FBXW4, SENP8, vpr, IRF5, COPS4, COPS7A, COPS6, COPS8, COPS3, PMPCA, SEPHS1, EHBP1L1, SLAIN2, GAPVD1, PFKFB2, SEPT2, IRS2, GRK5, DDB2, LRR1, DCAF11, DDA1, RFWD2, DCAF8, Protein Size: 443
Molecular Weight:	52 kDa
Gene ID:	9318
NCBI Accession:	NM_004236, NP_004227
UniProt:	P61201
Pathways:	Cell Division Cycle

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 443 AA
Restrictions:	For Research Use only

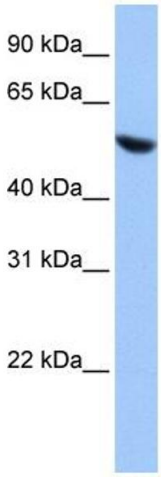
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %

Handling

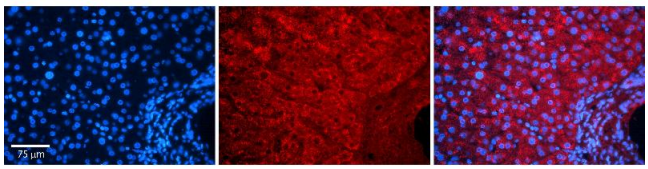
	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-COPS2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: HepG2 cell lysate



Immunohistochemistry

Image 2. Rabbit Anti-COPS2 Antibody Formalin Fixed Paraffin Embedded Tissue: Human Liver Tissue Observed Staining: Cytoplasm in hepatocytes Primary Antibody Concentration: 1:100 Other Working Concentrations: N/A Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec