COP9 Signalosome Complex Subunit 2 (COPS2) ELISA Kit for Goat

PRODUCT OVERVIEW

Product Name	COP9 signalosome complex subunit 2 (COPS2), ELISA Kit
Full Product Name	Goat COP9 signalosome complex subunit 2 (COPS2) ELISA Kit
Product Gene Name	COPS2 elisa kit
Species Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Preparation and Storage	Store all reagents at 2-8 degree C.
Molecular Weight	52,405 Da
OMIM	604508
Sample Preparation	We suggest pre-experimenting with neat (undiluted) samples, 1:2 or 1:4 dilutions. Please avoid diluting your samples more than 1:10 as it would exceed the dilution limit set for this kit. If the expected concentration of the target is beyond the detection range of the kit, please contact our technical support team
Product Categories/Family for COPS2 elisa kit	Neurobiology
ISO Certification	Manufactured in an ISO 13485:2016 Certified Laboratory.
Related Product Information for COPS2 elisa kit	MBS7200768 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the COP9 signalosome complex subunit 2 (COPS2) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing COPS2. The ELISA analytical biochemical technique of the MBS7200768 kit is based on COPS2 antibody-COPS2 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect COPS2 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, COPS2. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of COPS2 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for COPS2. It may not necessarily be applicable to this product.

NCBI GI #	219842262
NCBI GeneID	9318
NCBI Accession #	NP_001137359.1
UniProt Secondary Accession #	O88950; Q15647; Q6FGP4; Q9BY54; Q9R249; Q9UNI2; Q9UNQ5
UniProt Related Accession #	P61201
GenBank Nucleotide #	NM_001143887.1
NCBI Official Full Name	COP9 signalosome complex subunit 2 isoform 2
NCBI Official Synonym Full Names	COP9 signalosome subunit 2
NCBI Official Symbol	COPS2

NCBI Official Synonym Symbols	CSN2; SGN2; ALIEN; TRIP15
UniProt Protein Name	COP9 signalosome complex subunit 2
UniProt Synonym Protein Names	Alien homolog; JAB1-containing signalosome subunit 2; Thyroid receptor-interacting protein 15; TR-interacting protein 15; TRIP-15
UniProt Gene Name	COPS2
UniProt Synonym Gene Names	CSN2; TRIP15; SGN2; Signalosome subunit 2; TR-interacting protein 15; TRIP-15
UniProt Entry Name	CSN2_HUMAN
NCBI Protein Information	COP9 signalosome complex subunit 2; TRIP-15; alien homolog; signalosome subunit 2; TR-interacting protein 15; JAB1-containing signalosome subunit 2; thyroid receptor interacting protein 15; thyroid receptor-interacting protein 15; COP9 constitutive photomorphogenic homolog subunit 2
UniProt Comments for COPS2	COPS2: Essential component of the COP9 signalosome complex (CSN), a complex involved in various cellular and developmental processes. 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. Involved in early stage of neuronal differentiation via its interaction with NIF3L1. Belongs to the CSN2 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Transcription, coactivator/corepressor; Nuclear receptor co-regulator Chromosomal Location of Human Ortholog: 15q21.2 Cellular Component: signalosome; cytoplasm Molecular Function: protein binding; signal transducer activity; transcription corepressor activity Biological Process: neuron differentiation; transcription from RNA polymerase II promoter; cell proliferation; cullin deneddylation; negative regulation of transcription from RNA polymerase II promoter; signal transduction
Research Articles on COPS2	**1.** p300 binds to Alien alpha by pull down (View interaction) Alien alpha physically interacts with CBP by two hybrid
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