



# Anti-COPS2 (aa 431-443) polyclonal antibody (DPABH-05773)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	Synthetic peptide: C-LNSLNQAVVSKLA, corresponding to C terminal amino acids 431-443 of Human TRIP15.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Mouse, Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ELISA, IHC-P
<b>Format</b>	Liquid
<b>Size</b>	50 µg
<b>Buffer</b>	pH: 7.30; Constituents: 99% Tris buffered saline, 0.5% BSA

<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">COPS2 COP9 signalosome subunit 3 [ Homo sapiens ]</a>
<b>Official Symbol</b>	COPS2
<b>Synonyms</b>	COPS2; COP9 signalosome subunit 2; CSN2; SGN2; ALIEN; TRIP15; 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;
<b>Entrez Gene ID</b>	<a href="#">9318</a>
<b>Protein Refseq</b>	<a href="#">NP_001137359.1</a>
<b>UniProt ID</b>	<a href="#">P61201</a>
<b>Function</b>	protein binding; signal transducer activity; transcription corepressor activity;