10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# Anti-COP1 Antibody

**Rabbit polyclonal antibody to COP1**
**Catalog # AP60951**

## Specification

### Anti-COP1 Antibody - Product Information

| | |
|---|---|
| Application | **WB** |
| Primary Accession | Q8NHY2 |
| Other Accession | Q9R1A8 |
| Reactivity | **Human, Mouse, Rat** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Calculated MW | **80474** |

### Anti-COP1 Antibody - Additional Information

**Gene ID** 64326

**Other Names**
COP1; RNF200; E3 ubiquitin-protein ligase RFWD2; Constitutive photomorphogenesis protein 1 homolog; hCOP1; RING finger and WD repeat domain protein 2; RING finger protein 200

**Target/Specificity**
KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human COP1. The exact sequence is proprietary.

**Dilution**
WB~~WB (1/500 - 1/1000)

**Format**
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**
Store at -20 °C.Stable for 12 months from date of receipt

### Anti-COP1 Antibody - Protein Information

**Name** COP1 (HGNC:17440)

**Function**
E3 ubiquitin-protein ligase that mediates ubiquitination and subsequent proteasomal degradation of target proteins. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Involved in JUN ubiquitination and degradation. Directly involved in p53 (TP53) ubiquitination and degradation, thereby abolishing p53-dependent transcription and apoptosis. Ubiquitinates p53 independently of MDM2 or RCHY1. Probably mediates E3 ubiquitin ligase activity by functioning as the essential RING domain subunit of larger E3 complexes. In contrast, it does not constitute the catalytic RING

subunit in the DCX DET1-COP1 complex that negatively regulates JUN, the ubiquitin ligase activity being mediated by RBX1. Involved in 14-3-3 protein sigma/SFN ubiquitination and proteasomal degradation, leading to AKT activation and promotion of cell survival. Ubiquitinates MTA1 leading to its proteasomal degradation. Upon binding to TRIB1, ubiquitinates CEBPA, which lacks a canonical COP1-binding motif (Probable).

**Cellular Location**
Nucleus speckle. Cytoplasm. Note=In the nucleus, it forms nuclear speckles

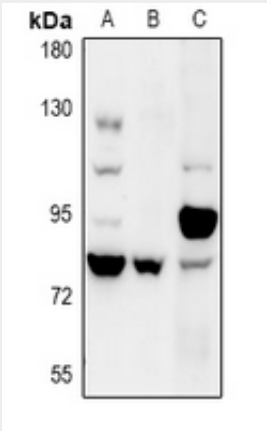
**Tissue Location**
Ubiquitously expressed at low level. Expressed at higher level in testis, placenta, skeletal muscle and heart

## Anti-COP1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## Anti-COP1 Antibody - Images




Western blot analysis of COP1 expression in mouse testis (A), rat testis (B), Hela (C) whole cell lysates.

## Anti-COP1 Antibody - Background

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