


Anti-COP1 antibody ab70890

1 Image

Overview

Product name	Anti-COP1 antibody
Description	Rabbit polyclonal to COP1
Host species	Rabbit
Tested applications	Suitable for: IP
Species reactivity	Reacts with: Human Predicted to work with: Rabbit, Pig, Chimpanzee, Rhesus monkey, Orangutan 
Immunogen	A region between residues 100 and 150 of human COP1. (NP_071902.2)
Positive control	HeLa whole cell lysate
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7 Preservative: 0.09% Sodium azide Constituents: 1.815% Tris, 1.764% Sodium citrate, 0.021% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The **Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab70890 in the following tested applications.

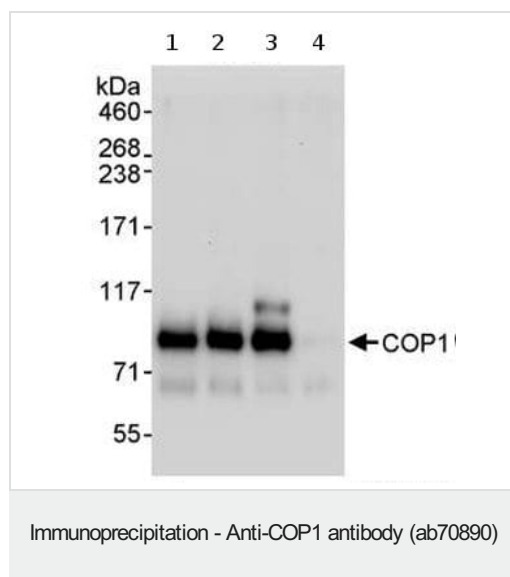
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP		Use a concentration of 2 - 5 µg/ml.

Target

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.
Tissue specificity	Ubiquitously expressed at low level. Expressed at higher level in testis, placenta, skeletal muscle and heart.
Pathway	Protein modification; protein ubiquitination.
Sequence similarities	Belongs to the COP1 family. Contains 1 RING-type zinc finger. Contains 7 WD repeats.
Domain	The RING finger domain, in addition to its role in ubiquitination, functions as a structural scaffold to bring two clusters of positive-charged residues within spatial proximity to mimic a bipartite nuclear localization signal (NLS).
Cellular localization	Nucleus speckle. Cytoplasm. In the nucleus, it forms nuclear speckles.

Images



HeLa whole cell lysate (1 mg for IP, 20% of IP loaded).

Antibodies:

Lane 1: **ab70889** at 3µg/ml for IP.

Lane 2: ab70890 at 3µg/ml for IP.

Lane 3: **ab70891** at 3µg/ml for IP.

Lane 4: IgG control

Subsequent Western Blotting was carried out using **ab70889** at 1µg/ml.

Detection: Chemiluminescence with an exposure time of 10 seconds.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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