

Anti-COP1 antibody ab70889

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製品の概要

製品名	Anti-COP1 antibody
製品の詳細	Rabbit polyclonal to COP1
由来種	Rabbit
アプリケーション	適用あり: WB, IP
種交差性	交差種: Mouse, Human 交差が予測される動物種: Rat, Cow, Chimpanzee, Rhesus monkey, Gorilla, Orangutan 
免疫原	A region between residue 1 and 50 of human COP1. (NP_071902.2)
ポジティブ・コントロール	HeLa, 293T and NIH3T3 whole cell lysates.
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee

Abpromise保証は、次のテスト済みアプリケーションにおけるab70889の使用に適用されます

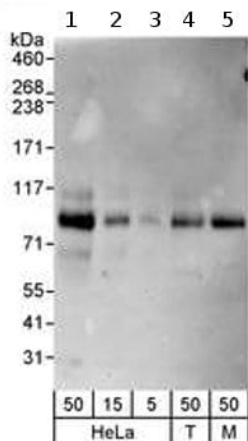
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
WB		1/2000 - 1/10000. Detects a band of approximately 80 kDa (predicted molecular weight: 80 kDa).
IP		Use a concentration of 2 - 5 µg/ml.

ターゲット情報

機能	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.
組織特異性	Ubiquitously expressed at low level. Expressed at higher level in testis, placenta, skeletal muscle and heart.
パスウェイ	Protein modification; protein ubiquitination.
配列類似性	Belongs to the COP1 family. Contains 1 RING-type zinc finger. Contains 7 WD repeats.
ドメイン	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).
細胞内局在	Nucleus speckle. Cytoplasm. In the nucleus, it forms nuclear speckles.

画像



Western blot - Anti-COP1 antibody (ab70889)

All lanes : Anti-COP1 antibody (ab70889) at 0.04 µg/ml

Lane 1 : HeLa whole cell lysate at 50 µg

Lane 2 : HeLa whole cell lysate at 15 µg

Lane 3 : HeLa whole cell lysate at 5 µg

Lane 4 : 293T whole cell lysate at 50 µg

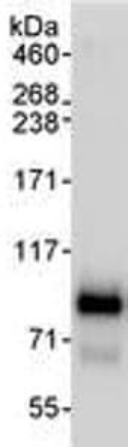
Lane 5 : NIH3T3 whole cell lysate at 50 µg

Developed using the ECL technique.

Predicted band size: 80 kDa

Observed band size: 80 kDa

Exposure time: 3 minutes



Immunoprecipitation - Anti-COP1 antibody (ab70889)

HeLa whole cell lysate (at 1 mg for IP, 20% of IP loaded), with ab70889 at 1 µg/ml for WB, subsequent to IP at 3 µg/mg lysate.

Detection: Chemiluminescence with an exposure time of 10 seconds.

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