

ARG41348 anti-COP1 / RFWD2 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes COP1 / RFWD2
Tested Reactivity	Hu
Predict Reactivity	Ms
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	COP1 / RFWD2
Species	Human
Immunogen	KLH-conjugated synthetic peptide between aa. 672-701 of Human COP1 / RFWD2.
Conjugation	Un-conjugated
Alternate Names	RING finger and WD repeat domain protein 2; EC 6.3.2.-; hCOP1; Constitutive photomorphogenesis protein 1 homolog; COP1; E3 ubiquitin-protein ligase RFWD2; RNF200; RING finger protein 200

Application Instructions

Application table	Application	Dilution
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	SK-BR-3	
Observed Size	~ 90 kDa	

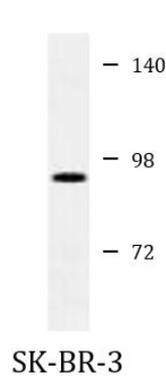
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	RFWD2
Gene Full Name	ring finger and WD repeat domain 2, E3 ubiquitin protein ligase
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. [UniProt]
Calculated Mw	80 kDa
PTM	Autoubiquitinated. MTA1 destabilizes it by promoting its autoubiquitination. [UniProt]
Cellular Localization	Nucleus speckle. Cytoplasm. Note=In the nucleus, it forms nuclear speckles. [UniProt]

Images



ARG41348 anti-COP1 / RFWD2 antibody WB image

Western blot: 35 µg of SK-BR-3 cell lysate stained with ARG41348 anti-COP1 / RFWD2 antibody.