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RFWD2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19933b

Specification

RFWD2 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q8NHY2
Other Accession	Q9R1A8, NP_071902.2
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**80474**
Antigen Region	**672-701**

RFWD2 Antibody (C-term) - Additional Information

Gene ID 64326

Other Names
E3 ubiquitin-protein ligase RFWD2, 632-, Constitutive photomorphogenesis protein 1 homolog, hCOP1, RING finger and WD repeat domain protein 2, RING finger protein 200, RFWD2, COP1, RNF200

Target/Specificity
This RFWD2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 672-701 amino acids from the C-terminal region of human RFWD2.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
RFWD2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

RFWD2 Antibody (C-term) - 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

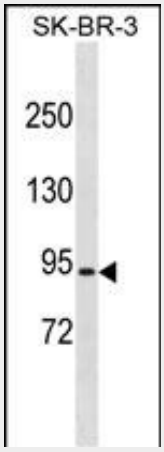
Tissue Location
Ubiquitously expressed at low level. Expressed at higher level in testis, placenta, skeletal muscle and heart

RFWD2 Antibody (C-term) - 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

RFWD2 Antibody (C-term) - Images



RFWD2 Antibody (C-term) (Cat. #AP19933b) western blot analysis in SK-BR-3 cell line lysates (35ug/lane).This demonstrates the RFWD2 antibody detected the RFWD2 protein (arrow).

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RFWD2 Antibody (C-term) - Background

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RFWD2 Antibody (C-term) - References

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