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Rfwd2 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI12193

Product Information

Application	WB
Primary Accession	Q9R1A8
Other Accession	NM_011931, NP_036061
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Chicken, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	80441

Additional Information

Gene ID	26374
Alias Symbol	AI316802, C80879, Cop1
Other Names	E3 ubiquitin-protein ligase RFWD2, 6.3.2.-, Constitutive photomorphogenesis protein 1 homolog, mCOP1, RING finger and WD repeat domain protein 2, Rfwd2, Cop1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Rfwd2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Rfwd2 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

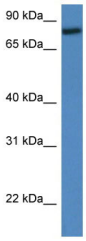
Protein Information

Name	Cop1 {ECO:0000312|MGI:MGI:1347046}
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.

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

Images



WB Suggested Anti-Rfwd2 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Thymus