

Product datasheet for **AP46009PU-N**

Cop1 (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blotting (0.2 - 1 µg/ml).
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a middle region of mouse
Formulation:	State: Aff - Purified State: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Immunoaffinity column
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	RFWD2: 80 kDa
Gene Name:	ring finger and WD repeat domain 2
Database Link:	NP_036061 Entrez Gene 64326 Human Entrez Gene 26374 Mouse Q9R1A8



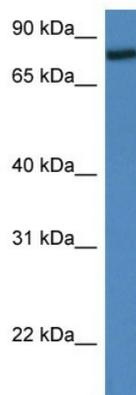
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Background:

Rfwd2 is an 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. It is involved in JUN ubiquitination and degradation and directly involved in p53 (TP53) ubiquitination and degradation, thereby abolishing p53-dependent transcription and apoptosis. Ubiquitinates p53 independently of MDM2 or RCHY1. Rfwd2 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.

Synonyms:

RING finger protein 200, COP1

Product images:

Mouse Thymus; WB Suggested Anti-Rfwd2 Antibody. Titration: 1.0 ug/ml. Positive Control: Mouse Thymus; Rfwd2 antibody - middle region (AP46009PU-N) in Mouse Thymus cells using Western Blot