



COP1 (phospho Ser387) Polyclonal Antibody

Catalog No	YP-Ab-00180
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	RFWD2
Protein Name	E3 ubiquitin-protein ligase RFWD2
Immunogen	The antiserum was produced against synthesized peptide derived from human RFWD2 around the phosphorylation site of Ser387. AA range:353-402
Specificity	Phospho-COP1 (S387) Polyclonal Antibody detects endogenous levels of COP1 protein only when phosphorylated at S387.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	RFWD2; COP1; RNF200; E3 ubiquitin-protein ligase RFWD2; Constitutive photomorphogenesis protein 1 homolog; hCOP1; RING finger and WD repeat domain protein 2; RING finger protein 200
Observed Band	100kD
Cell Pathway	Nucleus speckle. Cytoplasm. In the nucleus, it forms nuclear speckles.
Tissue Specificity	Ubiquitously expressed at low level. Expressed at higher level in testis, placenta, skeletal muscle and heart.
Function	domain: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).,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



Background

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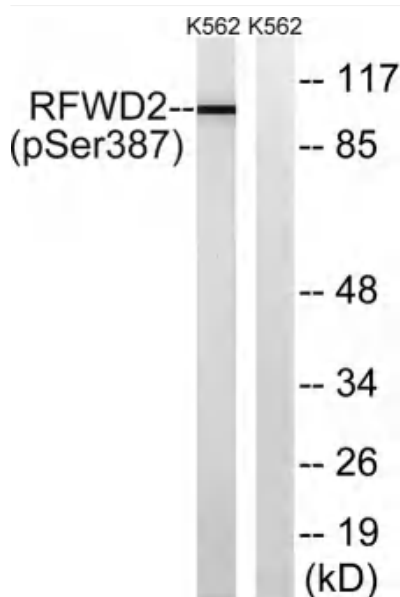
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from K562 cells treated with UV 15', using RFWD2 (Phospho-Ser387) Antibody. The lane on the right is blocked with the phospho peptide.