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## anti-RFWD2 antibody (N-Term)

2 Images



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- OVERVIEW		
Quantity:	400 μL	
Target:	RFWD2	
Binding Specificity:	AA 37-65, N-Term	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This RFWD2 antibody is un-conjugated	
Application:	Western Blotting (WB), Flow Cytometry (FACS)	
Product Details		
lmmunogen:	This COP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic	
	peptide between 37-65 amino acids from the N-terminal region of human COP1.	
Clone:	RB19572	
Isotype:	lg Fraction	
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.	
Target Details		
Target:	RFWD2	
Alternative Name:	COP1 (RFWD2 Products)	
Background:	Caspase inhibitor. Acts as a regulator of procaspase-1/CASP1 activation implicated in the	

### **Target Details**

regulation of the proteolytic maturation of pro-interleukin-1 beta (IL1B) and its release during
inflammation. Inhibits the release of IL1B in response to LPS in monocytes. Also induces NF-
kappa-B activation during the pro-inflammatory cytokine response. Also able to inhibit CASP1-
mediated neuronal cell death, TNF-alpha, hypoxia-, UV-, and staurosporine-mediated cell death
but not ER stress-mediated cell death. Acts by preventing activation of caspases CASP1 and
CASP4, possibly by preventing the interaction between CASP1 and RIPK2.

Molecular Weight:	22625
Gene ID:	114769
NCBI Accession:	NP_001017534, NP_443121
UniProt:	Q5EG05

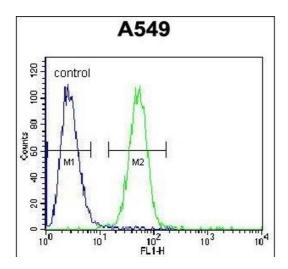
# Pathways: Photoperiodism

## **Application Details**

Application Notes:	WB: 1:1000. FC: 1:10~50	
Restrictions:	For Research Use only	

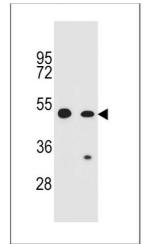
## Handling

Format:	Liquid	
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	4 °C,-20 °C	
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.	
Expiry Date:	6 months	



#### **Flow Cytometry**

**Image 1.** COP1 Antibody (N-term) (ABIN655275 and ABIN2844867) flow cytometric analysis of A549 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



#### **Western Blotting**

**Image 2.** COP1 Antibody (N-term) (ABIN655275 and ABIN2844867) western blot analysis in CEM,A549 cell line lysates (35  $\mu$ g/lane). This demonstrates the COP1 antibody detected the COP1 protein (arrow).