

**WDR40A Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP16196c****Specification**

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**WDR40A Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q5T6F0</a>
Other Accession	<a href="#">Q8BGZ3</a> , <a href="#">Q4R3J7</a> , <a href="#">Q3MHH0</a> , <a href="#">NP_056212.1</a>
Reactivity	Human
Predicted	Bovine, Monkey, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	50517
Antigen Region	223-252

**WDR40A Antibody (Center) - Additional Information****Gene ID** 25853**Other Names**

DDB1- and CUL4-associated factor 12, Centrosome-related protein TCC52, Testis cancer centrosome-related protein, WD repeat-containing protein 40A, DCAF12, KIAA1892, TCC52, WDR40A

**Target/Specificity**

This WDR40A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 223-252 amino acids from the Central region of human WDR40A.

**Dilution**

WB~~1:1000

**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**

WDR40A Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**WDR40A Antibody (Center) - Protein Information****Name** DCAF12 {ECO:0000303|PubMed:16949367, ECO:0000312|HGNC:HGNC:19911}

**Function** Substrate-recognition component of a DCX (DDB1-CUL4-X-box) E3 ubiquitin-protein ligase complex of the DesCEND (destruction via C-end degrons) pathway, which recognizes a C-degron located at the extreme C terminus of target proteins, leading to their ubiquitination and degradation (PubMed:[16949367](#), PubMed:[16964240](#), PubMed:[29779948](#)). The C- degron recognized by the DesCEND pathway is usually a motif of less than ten residues and can be present in full-length proteins, truncated proteins or proteolytically cleaved forms (PubMed:[29779948](#)). The DCX(DCAF12) complex specifically recognizes proteins with a diglutamate (Glu-Glu) at the C-terminus, such as MAGEA3, MAGEA6 and CCT5, leading to their ubiquitination and degradation (PubMed:[29779948](#), PubMed:[31267705](#)). Ubiquitination of MAGEA3, MAGEA6 by DCX(DCAF12) complex is required for starvation-induced autophagy (PubMed:[31267705](#)). Also directly recognizes the C-terminal glutamate-leucine (Glu-Leu) degron as an alternative degron in proteins such as MOV10, leading to their ubiquitination and degradation. Controls the protein level of MOV10 during spermatogenesis and in T cells, especially after their activation (PubMed:[34065512](#)).

**Cellular Location**

Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Nucleus

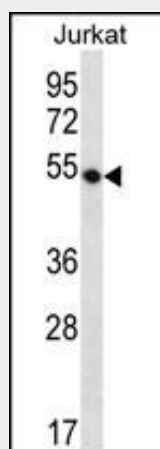
**Tissue Location**

Highly expressed in lung cancer tissues and some cancer cell lines (PubMed:18957058). Restricted expression in normal testis (PubMed:18957058).

**WDR40A Antibody (Center) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**WDR40A Antibody (Center) - Images**

WDR40A Antibody (Center) (Cat. #AP16196c) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the WDR40A antibody detected the WDR40A protein (arrow).

**WDR40A Antibody (Center) - Background**

This gene encodes a WD repeat-containing protein that interacts with the COP9 signalosome, a macromolecular complex that interacts with cullin-RING E3 ligases and regulates their activity by hydrolyzing cullin-Nedd8 conjugates.

**WDR40A Antibody (Center) - References**

Olma, M.H., et al. J. Cell. Sci. 122 (PT 7), 1035-1044 (2009) :  
Soranzo, N., et al. PLoS Genet. 5 (4), E1000445 (2009) :  
Li, S., et al. Cancer Sci. 99(11):2274-2279(2008)  
Bernstein, D., et al. J. Heart Lung Transplant. 26(12):1270-1280(2007)  
Olsen, J.V., et al. Cell 127(3):635-648(2006)