

WDR40A Antibody (Center) Blocking Peptide

Synthetic peptide

Catalog # BP16196c

Specification

WDR40A Antibody (Center) Blocking Peptide - Product Information

Primary Accession

[Q5T6F0](#)**WDR40A Antibody (Center) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

WDR40A Antibody (Center) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

WDR40A Antibody (Center) Blocking Peptide - Images**WDR40A Antibody (Center) Blocking Peptide - 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) Blocking Peptide - 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)