

WDR1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP2919b**Specification**

WDR1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [O75083](#)**WDR1 Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 9948

Other Names

WD repeat-containing protein 1, Actin-interacting protein 1, AIP1, NORI-1, WDR1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2919b](/products/AP2919b) was selected from the C-term region of human WDR1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

WDR1 Antibody (C-term) Blocking Peptide - Protein Information

Name WDR1

Function

Induces disassembly of actin filaments in conjunction with ADF/cofilin family proteins (PubMed: [15629458](http://www.uniprot.org/citations/15629458), PubMed: [27557945](http://www.uniprot.org/citations/27557945), PubMed: [29751004](http://www.uniprot.org/citations/29751004)). Enhances cofilin-mediated actin severing (By similarity). Involved in cytokinesis. Involved in chemotactic cell migration by restricting lamellipodial membrane protrusions (PubMed: [18494608](http://www.uniprot.org/citations/18494608)). Involved in myocardium sarcomere organization. Required for cardiomyocyte growth and maintenance (By similarity). Involved in megakaryocyte maturation and platelet shedding. Required for the establishment of planar cell polarity (PCP) during follicular epithelium development and for cell shape changes during PCP; the function seems to implicate cooperation with CFL1 and/or DSTN/ADF. Involved in the generation/maintenance of cortical tension (By similarity). Involved in

assembly and maintenance of epithelial apical cell junctions and plays a role in the organization of the perijunctional actomyosin belt (PubMed:25792565).

Cellular Location

Cytoplasm. Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q5RKI0}. Cell projection, podosome. Cell junction

Tissue Location

Expressed in peripheral blood mononuclear cells (at protein level).

WDR1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

WDR1 Antibody (C-term) Blocking Peptide - Images**WDR1 Antibody (C-term) Blocking Peptide - Background**

WDR1 is a protein containing 9 WD repeats. WD repeats are approximately 30- to 40-amino acid domains containing several conserved residues, mostly including a trp-asn at the C-terminal end. WD domains are involved in protein-protein interactions. This protein may help induce the disassembly of actin filaments.

WDR1 Antibody (C-term) Blocking Peptide - References

McArdle,P.F., et.al., Arthritis Rheum. 58 (9), 2874-2881 (2008)