

**WDR19 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP4945b****Specification**

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**WDR19 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q8NEZ3](#)**WDR19 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 57728**Other Names**

WD repeat-containing protein 19, WDR19, KIAA1638

**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.

**WDR19 Antibody (C-term) Blocking Peptide - Protein Information****Name** WDR19 ([HGNC:18340](#))**Function**

As component of the IFT complex A (IFT-A), a complex required for retrograde ciliary transport and entry into cilia of G protein- coupled receptors (GPCRs), it is involved in cilia function and/or assembly (PubMed:<a href="http://www.uniprot.org/citations/20889716" target="\_blank">20889716</a>). Essential for functional IFT-A assembly and ciliary entry of GPCRs (PubMed:<a href="http://www.uniprot.org/citations/20889716" target="\_blank">20889716</a>). Associates with the BBSome complex to mediate ciliary transport (By similarity).

**Cellular Location**

Cell projection, cilium {ECO:0000250|UniProtKB:Q3UGF1}. Cytoplasm, cytoskeleton, cilium basal body {ECO:0000250|UniProtKB:Q3UGF1}. Cell projection, cilium, photoreceptor outer segment {ECO:0000250|UniProtKB:Q3UGF1}. Cell projection, cilium, flagellum Note=Localizes to photoreceptor connecting cilia, to the base of motile cilia in brain ependymal cells and to the base of and along primary cilia in kidney cells. Localizes at the sperm neck and flagellum (PubMed:32323121). {ECO:0000250|UniProtKB:Q3UGF1, ECO:0000269|PubMed:32323121}

**Tissue Location**

Some isoforms are tissue-specific. Highly expressed in the prostate. Lower expression in the

cerebellum, pituitary gland, fetal lung, and pancreas. In normal prostate, expressed in both basal and luminal epithelial cells. No expression detected in fibromuscular stromal cells, endothelial cells, or infiltrating lymphocytes Uniformed expression in prostate adenocarcinoma cells

### **WDR19 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **WDR19 Antibody (C-term) Blocking Peptide - Images**

### **WDR19 Antibody (C-term) Blocking Peptide - Background**

WDR19 is a member of the WD repeat protein family. WD repeats are minimally conserved regions of approximately 40 amino acids typically bracketed by gly-his and trp-asn (GH-WD), which may facilitate formation of heterotrimeric or multiprotein complexes. Members of this family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation. This protein contains six WD repeats, a clathrin heavy-chain repeat, and three transmembrane domains. This gene is conserved from *C. elegans* to human. It may participate in androgen-regulated signaling mechanisms or in the vesicular trafficking of androgen-regulated secretory processes.

### **WDR19 Antibody (C-term) Blocking Peptide - References**

Lin, B., et al. Clin. Cancer Res. 14(5):1397-1406(2008) Lin, B., et al. Genomics 82(3):331-342(2003)