

WDR51B Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP11016b**Specification**

WDR51B Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q8TC44](#)**WDR51B Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 282809**Other Names**

POC1 centriolar protein homolog B, Pix1, Proteome of centriole protein 1B, WD repeat-containing protein 51B, POC1B, WDR51B

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.

WDR51B Antibody (C-term) Blocking peptide - Protein Information**Name** POC1B ([HGNC:30836](#))**Synonyms** WDR51B**Function**

Plays an important role in centriole assembly and/or stability and ciliogenesis (PubMed:20008567, PubMed:32060285). Involved in early steps of centriole duplication, as well as in the later steps of centriole length control (PubMed:19109428). Acts in concert with POC1A to ensure centriole integrity and proper mitotic spindle formation (PubMed:32060285). Required for primary cilia formation, ciliary length and also cell proliferation (PubMed:23015594). Required for retinal integrity (PubMed:25044745).

Cellular Location

Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Cytoplasm, cytoskeleton, cilium basal body.

Cytoplasm, cytoskeleton, spindle pole. Note=Component of both mother and daughter centrioles (PubMed:32060285). Localizes to the basal body and centriole adjacent to the connecting cilium of photoreceptors and in synapses of the outer plexiform layer. {ECO:0000250|UniProtKB:Q8BHD1, ECO:0000269|PubMed:32060285}

Tissue Location

Expressed in the retina.

WDR51B Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

WDR51B Antibody (C-term) Blocking peptide - Images**WDR51B Antibody (C-term) Blocking peptide - Background**

Required for ciliogenesis.

WDR51B Antibody (C-term) Blocking peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Pearson, C.G., et al. J. Cell Biol. 187(6):905-920(2009)Keller, L.C., et al. Mol. Biol. Cell 20(4):1150-1166(2009)Hames, R.S., et al. Exp. Cell Res. 314(3):574-589(2008)Lamesch, P., et al. Genomics 89(3):307-315(2007)