

WDR51B Blocking Peptide (C-term)

Synthetic peptide

Catalog # BP21756b

Specification

WDR51B Blocking Peptide (C-term) - Product Information

Primary Accession

[Q8TC44](#)**WDR51B Blocking Peptide (C-term) - 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

Target/Specificity

The synthetic peptide sequence is selected from aa 406-417 of HUMAN POC1B

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 Blocking Peptide (C-term) - Protein InformationName 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 Blocking Peptide (C-term) - Protocols

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

- [Blocking Peptides](#)

WDR51B Blocking Peptide (C-term) - Images**WDR51B Blocking Peptide (C-term) - Background**

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WDR51B Blocking Peptide (C-term) - References

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