

WDR34 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP12421c**Specification**

WDR34 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q96EX3](#)**WDR34 Antibody (Center) Blocking peptide - Additional Information**

Gene ID 89891

Other Names

WD repeat-containing protein 34, WDR34

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.

WDR34 Antibody (Center) Blocking peptide - Protein InformationName DYNC2I2 ([HGNC:28296](#))

Synonyms WDR34

Function

Acts as one of several non-catalytic accessory components of the cytoplasmic dynein 2 complex (dynein-2 complex), a motor protein complex that drives the movement of cargos along microtubules within cilia and flagella in concert with the intraflagellar transport (IFT) system (PubMed:25205765, PubMed:29742051). DYNC2I2 plays a major role in retrograde ciliary protein trafficking and in ciliogenesis (PubMed:30649997, PubMed:29742051, PubMed:30320547). Required also to maintain a functional transition zone (PubMed:30320547).

Cellular Location

Cytoplasm. Cytoplasm, cytoskeleton, cilium basal body Cytoplasm, cytoskeleton, cilium axoneme Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cell projection, cilium. Cell projection, filopodium {ECO:0000250|UniProtKB:Q5U4F6}. Note=Concentrates around the

centrioles and basal bodies also showing axonemal staining {ECO:0000250|UniProtKB:Q5U4F6}

Tissue Location

Expressed in several cell lines (at protein level).

WDR34 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

WDR34 Antibody (Center) Blocking peptide - Images**WDR34 Antibody (Center) Blocking peptide - Background**

This gene encodes 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-aspartate (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.

WDR34 Antibody (Center) Blocking peptide - References

Gao, D., et al. Cell. Mol. Life Sci. 66(15):2573-2584(2009) Humphray, S.J., et al. Nature 429(6990):369-374(2004)