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C14orf179 Blocking Peptide (Center)

Synthetic peptide
Catalog # BP5370c

Specification

C14orf179 Blocking Peptide (Center) - Product Information

Primary Accession	Q96FT9
Other Accession	Q9DA69, Q2TBN9, NP_001096034.1, NP_443105.2

C14orf179 Blocking Peptide (Center) - Additional Information

Gene ID 112752

Other Names
Intraflagellar transport protein 43 homolog, IFT43, C14orf179

Target/Specificity
The synthetic peptide sequence is selected from aa 160-171 of HUMAN IFT43

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.

C14orf179 Blocking Peptide (Center) - Protein Information

Name IFT43 (HGNC:29669)

Synonyms C14orf179

Function
As a component of 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 ciliogenesis (PubMed:28400947, PubMed:28973684). Involved in retrograde ciliary transport along microtubules from the ciliary tip to the base (PubMed:21378380).

Cellular Location
Cytoplasm, cytoskeleton. Cell projection, cilium Note=Associated with microtubules (PubMed:22361696). Localized at the distal tip of the cilium (PubMed:28973684)

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Tissue Location
Expressed in the retina, predominantly in the photoreceptor outer segment.

C14orf179 Blocking Peptide (Center) - Protocols

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

- Blocking Peptides

C14orf179 Blocking Peptide (Center) - Images

C14orf179 Blocking Peptide (Center) - References

Levy, D., et al. BMC Med. Genet. 8 SUPPL 1, S3 (2007) :
Heilig, R., et al. Nature 421(6923):601-607(2003)