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IFT27 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP17978b

Specification

IFT27 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9BW83

IFT27 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 11020

Other Names
Intraflagellar transport protein 27 homolog, Putative GTP-binding protein RAY-like, Rab-like protein 4, IFT27, RABL4, RAYL

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.

IFT27 Antibody (C-term) Blocking Peptide - Protein Information

Name IFT27

Synonyms RABL4, RAYL

Function
Small GTPase-like component of the intraflagellar transport (IFT) complex B that promotes the exit of the BBSome complex from cilia via its interaction with ARL6 (PubMed:25443296). Not involved in entry of the BBSome complex into cilium. Prevents aggregation of GTP-free ARL6 (PubMed:25443296). Required for hedgehog signaling. Forms a subcomplex within the IFT complex B with IFT25. Its role in intraflagellar transport is mainly seen in tissues rich in ciliated cells such as kidney and testis. Essential for male fertility, spermiogenesis and sperm flagella formation. Plays a role in the early development of the kidney. May be involved in the regulation of ureteric bud initiation (By similarity).

Cellular Location
Cell projection, cilium. Cytoplasm {ECO:0000250|UniProtKB:Q9D0P8}. Cell projection, cilium, flagellum {ECO:0000250|UniProtKB:Q9D0P8}. Note=Localizes to the sperm flagellum {ECO:0000250|UniProtKB:Q9D0P8}

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IFT27 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

IFT27 Antibody (C-term) Blocking Peptide - Images

IFT27 Antibody (C-term) Blocking Peptide - Background

This gene encodes a putative GTP-binding protein similarto RAY/RAB1C. The protein is ras-related, but the function isunknown. Several transcript variants encoding different isoformshave been found for this gene.

IFT27 Antibody (C-term) Blocking Peptide - References

Qin, H., et al. Curr. Biol. 17(3):193-202(2007)Collins, J.E., et al. Genome Biol. 5 (10), R84 (2004) :Collins, J.E., et al. Genome Res. 13(1):27-36(2003)Dunham, I., et al. Nature 402(6761):489-495(1999)