

IFT27 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17978b**Specification**

IFT27 Antibody (C-term) Blocking Peptide - Product InformationPrimary 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}

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 similar to RAY/RAB1C. The protein is ras-related, but the function is unknown. Several transcript variants encoding different isoforms have 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)