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IFT81 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP10515b

Specification

IFT81 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession	Q8WYA0
Other Accession	NP_113661.2, NP_001137251.1, NP_054774.2

IFT81 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 28981

Other Names
Intraflagellar transport protein 81 homolog, Carnitine deficiency-associated protein expressed in ventricle 1, CDV-1, IFT81, CDV1

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.

IFT81 Antibody (C-term) Blocking Peptide - Protein Information

Name IFT81

Synonyms CDV1

Function
Component of the intraflagellar transport (IFT) complex B: together with IFT74, forms a tubulin-binding module that specifically mediates transport of tubulin within the cilium. Binds tubulin via its CH (calponin-homology)-like region (PubMed:23990561). Required for ciliogenesis (PubMed:27666822, PubMed:23990561). Required for proper regulation of SHH signaling (PubMed:27666822). Plays an important role during spermatogenesis by modulating the assembly and elongation of the sperm flagella (By similarity).

Cellular Location
Cell projection, cilium. Cytoplasm {ECO:0000250|UniProtKB:O35594}

Tissue Location
Highly expressed in testis, moderately in ovary, heart, liver, skeletal muscle, kidney and pancreas, low in prostate, brain, placenta and lung and not detected in spleen, thymus, small intestine and colon. Isoform CDV-1R is abundantly expressed in testis

IFT81 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

IFT81 Antibody (C-term) Blocking Peptide - Images

IFT81 Antibody (C-term) Blocking Peptide - Background

Isoform CDV-1 may be involved in cardiac hypertrophy caused by carnitine deficiency (By similarity).Isoform CDV-1R appears to play a role in development of the testis and spermatogenesis (By similarity).

IFT81 Antibody (C-term) Blocking Peptide - References

Melzer, D., et al. PLoS Genet. 4 (5), E1000072 (2008) :Lamesch, P., et al. Genomics 89(3):307-315(2007)Peng, J., et al. Mol. Biol. Rep. 29(4):353-362(2002)Higashi, M., et al. Mamm. Genome 11(12):1053-1057(2000)