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IFT88 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP11138b

Specification

IFT88 Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q13099

IFT88 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 8100

Other Names
Intraflagellar transport protein 88 homolog, Recessive polycystic kidney disease protein Tg737 homolog, Tetratricopeptide repeat protein 10, TPR repeat protein 10, IFT88, TG737, TTC10

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.

IFT88 Antibody (C-term) Blocking peptide - Protein Information

Name IFT88

Synonyms TG737, TTC10

Function
Positively regulates primary cilium biogenesis (PubMed:17604723). Also involved in autophagy since it is required for trafficking of ATG16L and the expansion of the autophagic compartment.

Cellular Location
Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole {ECO:0000250|UniProtKB:Q61371}. Cell projection, cilium. Cytoplasm, cytoskeleton, cilium basal body. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm {ECO:0000250|UniProtKB:Q61371}. Cell projection, cilium, flagellum {ECO:0000250|UniProtKB:Q61371}. Note=Colocalizes with ENTR1 and gamma- tubulin at the basal body of primary cilia. Colocalizes with ENTR1 and pericentrin at the centrosome.

Tissue Location
Expressed in the heart, brain, liver, lung, kidney, skeletal muscle and pancreas.

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IFT88 Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

IFT88 Antibody (C-term) Blocking peptide - Images

IFT88 Antibody (C-term) Blocking peptide - Background

This gene encodes a member of the tetratrico peptiderepeat (TPR) family. Mutations of a similar gene in mouse can causepolycystic kidney disease. Two transcript variants encodingdistinct isoforms have been identified for this gene. [provided byRefSeq].

IFT88 Antibody (C-term) Blocking peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Robert, A., et al. J. Cell. Sci. 120 (PT 4), 628-637 (2007) :Khanna, H., et al. J. Biol. Chem. 280(39):33580-33587(2005)Lehner, B., et al. Genomics 83(1):153-167(2004)Harrington, J.J., et al. Nat. Biotechnol. 19(5):440-445(2001)