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# IFT88 Antibody (C-term)

**Affinity Purified Rabbit Polyclonal Antibody (Pab)**

**Catalog # AP11138b**

## Specification

### IFT88 Antibody (C-term) - Product Information

| | |
|---|---|
| Application | IF, WB, IHC-P,E |
| Primary Accession | Q13099 |
| Other Accession | Q61371, NP_006522.2 |
| Reactivity | Human, Mouse |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit Ig |
| Calculated MW | 93192 |
| Antigen Region | 791-820 |

### IFT88 Antibody (C-term) - Additional Information

**Gene ID** 8100

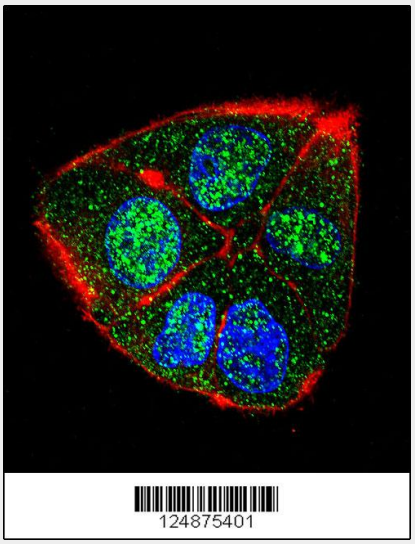
**Other Names**
Intraflagellar transport protein 88 homolog, Recessive polycystic kidney disease protein Tg737 homolog, Tetratricopeptide repeat protein 10, TPR repeat protein 10, IFT88, TG737, TTC10

**Target/Specificity**
This IFT88 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 791-820 amino acids from the C-terminal region of human IFT88.

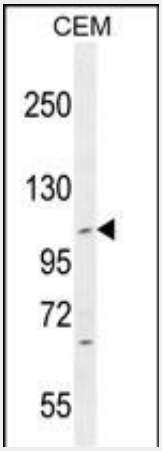
**Dilution**
IF~~1:10~50
WB~~1:1000
IHC-P~~1:10~50

**Format**
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw




Confocal immunofluorescent analysis of IFT88 Antibody (C-term)(Cat#AP11138b) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).




IFT88 Antibody (C-term) (Cat. #AP11138b) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the IFT88 antibody detected the IFT88 protein (arrow).

cycles.

**Precautions**
IFT88 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

#### IFT88 Antibody (C-term) - Protein Information

**Name** IFT88

**Synonyms** TG737, TTC10

**Function**
Involved in primary cilium biogenesis. Also involved in autophagy since it is required for trafficking of ATG16L and the expansion of the autophagic compartment.

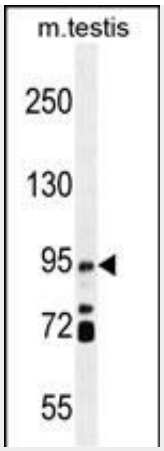
**Cellular Location**
Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole {ECO:0000250|UniProtKB:Q61371}. Cell projection, cilium. Cytoplasm, cytoskeleton, cilium basal body. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm {ECO:0000250|UniProtKB:Q61371}. 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.

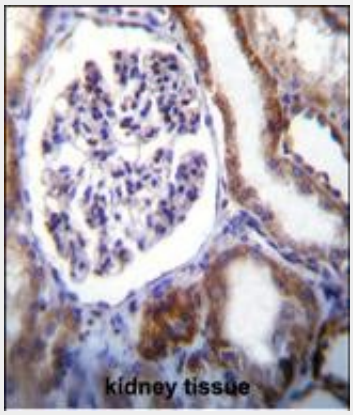
### IFT88 Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture




IFT88 Antibody (C-term) (Cat. #AP11138b) western blot analysis in mouse testis tissue lysates (35ug/lane).This demonstrates the IFT88 antibody detected the IFT88 protein (arrow).




IFT88 Antibody (C-term) (Cat. #AP11138b)immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of IFT88 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

### IFT88 Antibody (C-term) - Background

This gene encodes a member of the tetratrico peptide
repeat (TPR) family. Mutations of a similar gene in mouse can cause
polycystic kidney disease. Two transcript variants encoding
distinct isoforms have been identified for this gene. [provided by
RefSeq].

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## IFT88 Antibody (C-term) - 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)

## IFT88 Antibody (C-term) - Citations

- Primary cilia and autophagy interaction is involved in mechanical stress mediated cartilage development via ERK/mTOR axis.
- Basic fibroblast growth factor increases IFT88 expression in chondrocytes.
- HDAC6 inhibition suppresses chondrosarcoma by restoring the expression of primary cilia.