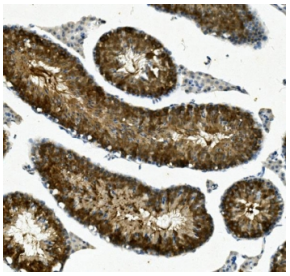
IFT88 Antibody (RQ5982)

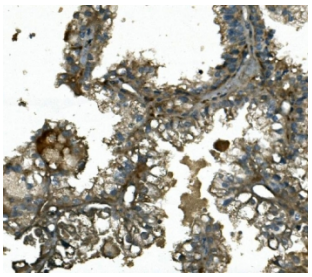
Catalog No.	Formulation	Size
RQ5982	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

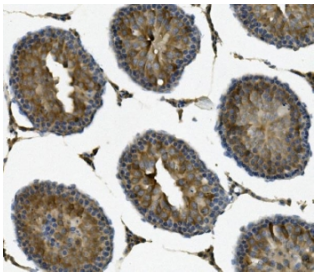
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q13099
Localization	Cytoplasmic
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry: 1-2ug/ml Immunofluorescence: 2-4ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This IFT88 antibody is available for research use only.



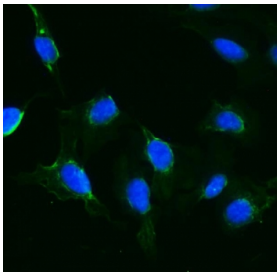
IHC staining of FFPE mouse testis with IFT88 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



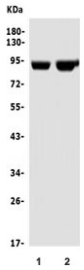
IHC staining of FFPE human renal cancer with IFT88 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



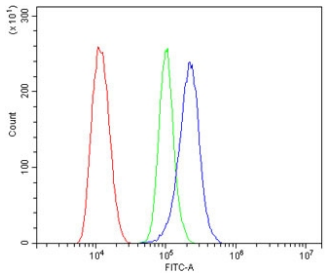
IHC staining of FFPE rat testis with IFT88 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Immunofluorescent staining of FFPE human U-2 OS cells with IFT88 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) rat testis and 2) mouse testis lysate with IFT88 antibody. Predicted molecular weight ~94 kDa.



Flow cytometry testing of human ThP-1 cells with IFT88 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= IFT88 antibody.

Description

Intraflagellar transport protein 88 homolog is a protein that in humans is encoded by the IFT88 gene. It is mapped to 13q12.11. This gene encodes a member of the tetratrico peptide repeat (TPR) family. The encoded protein is involved in cilium biogenesis. Mutations of a similar gene in mouse can cause polycystic kidney disease. Several transcript variants encoding distinct isoforms have been identified for this gene.

Application Notes

Optimal dilution of the IFT88 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids E198-K814) was used as the immunogen for the IFT88 antibody.

Storage

After reconstitution, the IFT88 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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