

For Research Use Only

# IFT88 Recombinant antibody, PBS Only



Catalog Number: 82886-1-PBS

## Basic Information

|   |  |   |
|---|--|---|
| <b>Catalog Number:</b><br>82886-1-PBS                       | <b>GenBank Accession Number:</b><br>BC030776                             | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ug , Concentration: 1 mg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>8100  | <b>CloneNo.:</b><br>230074F8                          |
| <b>Source:</b><br>Rabbit                                    | <b>UNIPROT ID:</b><br>Q13099   |   |
| <b>Isotype:</b><br>IgG                                      | <b>Full Name:</b><br>intraflagellar transport 88 homolog (Chlamydomonas) |   |
| <b>Immunogen Catalog Number:</b><br>AG4980                  | <b>Calculated MW:</b><br>94 kDa  |   |
|   | <b>Observed MW:</b><br>94 kDa  |   |

## Applications

**Tested Applications:**  
WB, IHC, Indirect ELISA

**Species Specificity:**  
Human, mouse, rat

## Background Information

Intraflagellar transport (IFT), mediated by molecular motors and IFT particles, is an important transport process that occurs in the cilium and has been shown to be essential for the assembly and maintenance of cilia and flagella in many organisms. IFT88 (intraflagellar transport protein 88; also known as TG737 or TTC10) is a component of IFT particles and required for cilium biogenesis. Defects in IFT88/TG737 lead to polycystic kidney disease (11062270). IFT88 localizes to spindle poles during mitosis and is required for spindle orientation in mitosis (21441926). This antibody was raised against the C-terminal region of human IFT88 and can detect the endogenous level of IFT88.

## Storage

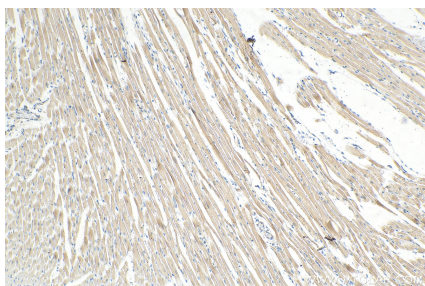
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

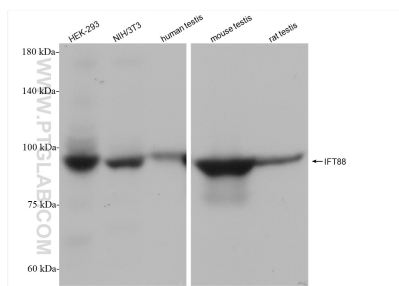
For technical support and original validation data for this product please contact:  
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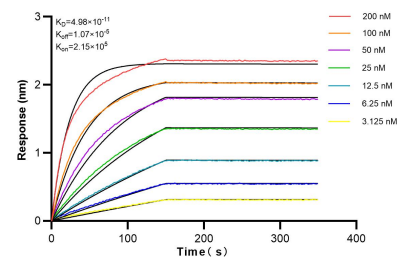
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 82886-1-RR (IFT88 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82886-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 82886-1-RR (IFT88 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82886-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 82886-1-RR against Human IFT88 were performed. The affinity constant is 49.8 pM.