

**IFT81 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP56043****Specification****IFT81 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">Q8WYA0</a>
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	79746

**IFT81 Polyclonal Antibody - Additional Information****Gene ID** 28981**Other Names**

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

**Dilution**

WB~1:1000  
IHC-P~N/A  
IHC-F~N/A  
IF~1:50~200  
ICC~N/A  
E~N/A

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**IFT81 Polyclonal Antibody - 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](http://www.uniprot.org/citations/23990561)). Required for ciliogenesis (PubMed: [23990561](http://www.uniprot.org/citations/23990561), PubMed: [27666822](http://www.uniprot.org/citations/27666822))

target="\_blank">27666822</a>). Required for proper regulation of SHH signaling (PubMed:<a href="http://www.uniprot.org/citations/27666822" target="\_blank">27666822</a>). 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}. Cytoplasm, cytoskeleton, cilium basal body

**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 Polyclonal Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**IFT81 Polyclonal Antibody - Images**