

IFT81 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP56043

Specification

IFT81 Polyclonal Antibody - Product Information

Application Primary Accession Reactivity Host

Clonality
Calculated MW

WB, IHC-P, IHC-F, IF, ICC, E

<u>Q8WYA0</u>

Rat, Pig, Dog, Bovine

Rabbit Polyclonal 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<br \><span class
="dilution_IHC-P">IHC-P~~N/A<br \><span class
="dilution_IHC-F">IHC-F~~N/A<br \><span class
="dilution_IF">IF~~1:50~200<br \>ICC~~N/A<br \>ICC~~N/A<br \>ICC~~N/A<br \>ICC~~N/A

Storage

Store at -20 $^{\circ}$ 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 $^{\circ}$ 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). Required for ciliogenesis (PubMed:23990561, PubMed:27666822). Required for proper regulation of SHH signaling (PubMed:27666822). 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
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

IFT81 Polyclonal Antibody - Images