

IFT81 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP56043

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q8WYA0
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	79746

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=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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.

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.