

RABL4 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP57864

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9BW83
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	20480

Additional Information

Gene ID	11020
Other Names	Intraflagellar transport protein 27 homolog, Putative GTP-binding protein RAY-like, Rab-like protein 4, IFT27, RABL4, RAYL
Dilution	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	IFT27
Synonyms	RABL4, RAYL
Function	Small GTPase-like component of the intraflagellar transport (IFT) complex B that promotes the exit of the BBSome complex from cilia via its interaction with ARL6 (PubMed: 25443296 , PubMed: 40384633). Not involved in entry of the BBSome complex into cilium. Prevents aggregation of GTP-free ARL6 (PubMed: 25443296). Required for hedgehog signaling. Forms a subcomplex within the IFT complex B with IFT25. Its role in intraflagellar transport is mainly seen in tissues rich in ciliated cells such as kidney and testis. Essential for male fertility, spermiogenesis and sperm flagella formation. Plays a role in the early development of the kidney. May be involved in the regulation of ureteric bud initiation (By similarity).
Cellular Location	Cell projection, cilium. Cytoplasm {ECO:0000250 UniProtKB:Q9D0P8}. Cell projection, cilium, flagellum {ECO:0000250 UniProtKB:Q9D0P8}. Note=Localizes to the sperm flagellum {ECO:0000250 UniProtKB:Q9D0P8}

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