SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-IFT140 antibody

Catalog Number: SL15559R

FOR RESEARCH USE ONLY

[DATASHEET]

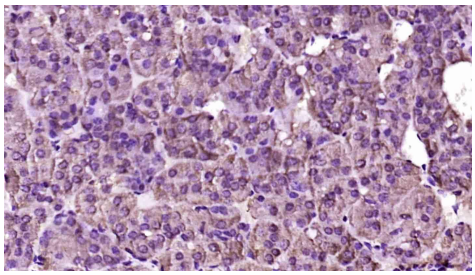
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	IFT140
Immunogen:	KLH conjugated synthetic peptide derived from human IFT140: 1151-1250/1462
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Rat(predicted:Human,Mouse,Chicken,Dog,Horse)
Predicted MW.:	165kDa
Subcellular Location:	cytoplasmic
Background:	IFT140 is a gene encodes one of the subunits of the intraflagellar transport (IFT) complex A. Intraflagellar transport is involved in the genesis, resorption and signaling of primary cilia. The primary cilium is a microtubule-based sensory organelle at the surface of most quiescent mammalian cells, that receives signals from its environment, such as the flow of fluid, light or odors, and transduces those signals to the nucleus. Loss of the corresponding protein in mouse results in renal cystic disease. **Function:** Component of the IFT complex A (IFT-A), a complex required for retrograde ciliary transport. Plays a pivotal role in proper development and function of ciliated cells. Involved in ciliogenesis and cilia maintenance. **Subunit:** Component of the IFT complex A (IFT-A). **Subcellular Location:** Cytoplasm, cytoskeleton, cilium basal body.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	DISEASE: Mainzer-Saldino syndrome (MZSDS) [MIM:266920]: A rare autosomal recessive disease characterized by phalangeal cone-shaped epiphyses, chronic renal disease, nearly constant retinal dystrophy, and mild radiographic abnormality of the proximal femur. Occasional features include short stature, cerebellar ataxia, and hepatic fibrosis. Note=The disease is caused by mutations affecting the gene represented in this entry. **Similarity:** Contains 9 TPR repeats. Contains 5 WD repeats. **Database links:** **Entrez Gene:** 9742 Human **Entrez Gene:** 106633 Mouse **SwissProt:** Q96RY7 Human

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (rat adrenal gland); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IFT140) Polyclonal Antibody, Unconjugated (SL15559R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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