SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Marker Primary Antibody]

Rabbit Anti-IFT80/Biotin Conjugated antibody

Catalog Number: SL15564R-Bio

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-IFT80/Biotin
Immunogen:	KLH conjugated synthetic peptide derived from human IFT80
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	WB=1000-10000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human,Mouse,Rat,Dog,Pig,Cow,Rabbit)
Background:	background: IFT80 is a encoded by this gene is part of the intraflagellar transport complex B and is necessary for the function of motile and sensory cilia. Defects in this gene are a cause of asphyxiating thoracic dystrophy 2 (ATD2). Three transcript variants encoding two different isoforms have been found for this gene. **Function:** Component of the intraflagellar transport (IFT) complex B, which is essential for the development and maintenance of motile and sensory cilia. **Subcellular Location:** Cytoplasm. Cytoplasm, cytoskeleton, cilium basal body (By similarity). Cytoplasm, cytoskeleton, cilium axoneme (By similarity). Note=Basal body and ciliary axoneme (By similarity). DISEASE: Asphyxiating thoracic dystrophy 2 (ATD2) [MIM:611263]: An autosomal recessive chondrodysplasia characterized by a severely constricted thoracic cage, short-limbed short stature, and polydactyly. It often leads to death in infancy because of respiratory insufficiency. Retinal degeneration, cystic renal disease and hepatic disease can be present in affected individuals

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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	who survive early childhood. Note=The disease is caused by mutations affecting the gene represented in this entry. **Similarity:** Contains 7 WD repeats. **Database links:** UniProtKB/Swiss-Prot: Q9P2H3.3 Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.