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[Primary Antibody]

Rabbit Anti-IFT80 antibody

Catalog Number: SL15564R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	IFT80
Immunogen:	KLH conjugated synthetic peptide derived from human IFT80: 51-150/777
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:	WB=1:500-2000 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)
Predicted MW.:	88kDa
Subcellular Location:	cytoplasmic
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

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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:** **Entrez Gene:** 57560 Human Omim: 611177 Human **SwissProt:** Q9P2H3 Human **Unigene:** 478095 Human

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