IFT80 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IFT80, Polyclonal Antibody
Full Product Name	IFT80 Antibody; HRP conjugated
Product Gene Name	anti-IFT80 antibody
Product Synonym Names	Intraflagellar transport protein 80 homolog; WD repeat-containing protein 56; IFT80; KIAA1374; WDR56
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%,Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.
Matching Pairs	Unconjugated Antibody: IFT80 (MBS7003885) HRP Conjugated Antibody: IFT80 (MBS7005396)
Molecular Weight	123,321 Da
OMIM	611177
3D Structure	ModBase 3D Structure for Q9P2H3
Immunogen	Recombinant human Intraflagellar transport protein 80 homolog protein
Conjugation	HRP
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-IFT80 antibody	ELISA (EIA)
Related Product Information for anti-IFT80 antibody	Component of the intraflagellar transport (IFT) complex B, which is essential for the development and maintenance of motile and sensory cilia.
Other Notes	Small volumes of anti-IFT80 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for IFT80 purchase	MBS7005396 is an antibody targeting IFT80. Also known as IFT80 Antibody; HRP conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IFT80. It may not necessarily be applicable to this product.

NCBI GI #	298160996
NCBI GeneID	57560

NCBI Accession #	NP_001177170.1
UniProt Primary Accession #	Q9P2H3
UniProt Secondary Accession #	Q3MJC4; Q86YF4; Q9UIX1; B4E0K1; C9J8I0
UniProt Related Accession #	Q9P2H3
GenBank Nucleotide #	NM_001190241.1
NCBI Official Full Name	intraflagellar transport protein 80 homolog isoform b
NCBI Official Synonym Full Names	intraflagellar transport 80
NCBI Official Symbol	IFT80
NCBI Official Synonym Symbols	ATD2; SRTD2; WDR56
UniProt Protein Name	Intraflagellar transport protein 80 homolog
UniProt Synonym Protein Names	WD repeat-containing protein 56
Protein Family	Intraflagellar transport protein
UniProt Gene Name	IFT80
UniProt Synonym Gene Names	KIAA1374; WDR56
UniProt Entry Name	IFT80_HUMAN
NCBI Protein Information	intraflagellar transport protein 80 homolog
NCBI Summary for IFT80	The protein 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.[provided by RefSeq, Jun 2010]
UniProt Comments for IFT80	IFT80: Component of the intraflagellar transport (IFT) complex B, which is essential for the development and maintenance of motile and sensory cilia. Defects in IFT80 are the cause of asphyxiating thoracic dystrophy type 2 (ATD2). 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 who survive early childhood. Chromosomal Location of Human Ortholog: 3q25.33 Cellular Component: centrosome; cilium; cytoplasm Biological Process: cilium biogenesis; organelle organization and biogenesis Disease: Short-rib Thoracic Dysplasia 2 With Or Without Polydactyly
Research Articles on IFT80	**1.** Mutations in IFT80 can be responsible for a lethal form of short-rib polydactyly and provide the molecular basis for the Jeune-Verma-Naumoff dysplasia spectrum.
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