DYNC2H1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DYNC2H1, Polyclonal Antibody
Full Product Name	DYNC2H1 Rabbit pAb
Product Gene Name	anti-DYNC2H1 antibody
Product Synonym Names	ATD3; DHC2; DHC1b; DNCH2; DYH1B; SRTD3; SRPS2B; hdhc11
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Rat
Form/Format	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	493kDa
3D Structure	ModBase 3D Structure for Q8NCM8
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-250 of human DYNC2H1 (NP_001073932.1).
Cellular Localization	Cell Membrane, Cell Projection, Cilium, Cytoplasm, Cytoskeleton, Dynein, Membrane, Microtubule
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-DYNC2H1 antibody	Western Blot (WB)
Application Notes for anti-DYNC2H1 antibody	WB: 1:500-1:2000
Related Product Information for anti-DYNC2H1 antibody	May function as a motor for intraflagellar retrograde transport. Functions in cilia biogenesis. May play a role in transport between endoplasmic reticulum and Golgi or organization of the Golgi in cells.
Other Notes	Small volumes of anti-DYNC2H1 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 DYNC2H1 purchase	MBS8548838 is an antibody targeting DYNC2H1. Also known as DYNC2H1 Rabbit pAb. Reactive in Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DYNC2H1. It may not necessarily be applicable to this product.

NCBI GI #	283806679
NCBI GeneID	79659
NCBI Accession #	NP_001368.2
UniProt Primary Accession #	Q8NCM8

UniProt Related Accession #	Q8NCM8
GenBank Nucleotide #	NP_001368.2
NCBI Official Full Name	cytoplasmic dynein 2 heavy chain 1 isoform 1
NCBI Official Synonym Full Names	dynein cytoplasmic 2 heavy chain 1
NCBI Official Symbol	DYNC2H1
NCBI Official Synonym Symbols	ATD3; DHC2; DHC1b; DNCH2; DYH1B; SRTD3; SRPS2B; hdhc11
UniProt Protein Name	Cytoplasmic dynein 2 heavy chain 1
UniProt Synonym Protein Names	Cytoplasmic dynein 2 heavy chain; Dynein cytoplasmic heavy chain 2; Dynein heavy chain 11; hDHC11; Dynein heavy chain isotype 1B
UniProt Gene Name	DYNC2H1
UniProt Synonym Gene Names	DHC1B; DHC2; DNCH2; DYH1B; KIAA1997; hDHC11
NCBI Protein Information	cytoplasmic dynein 2 heavy chain 1
NCBI Summary for DYNC2H1	This gene encodes a large cytoplasmic dynein protein that is involved in retrograde transport in the cilium and has a role in intraflagellar transport, a process required for ciliary/flagellar assembly. Mutations in this gene cause a heterogeneous spectrum of conditions related to altered primary cilium function and often involve polydactyly, abnormal skeletogenesis, and polycystic kidneys. Alternative splicing results in multiple transcript variants encoding distinct proteins. [provided by RefSeq, Jan 2010]
UniProt Comments for DYNC2H1	May function as a motor for intraflagellar retrograde transport. Functions in cilia biogenesis. May play a role in transport between endoplasmic reticulum and Golgi or organization of the Golgi in cells ().
Research Articles on DYNC2H1	**1.** This is the first report of prenatal diagnosis of DYNC2H1 mutations causing Short-rib polydactyly syndrome (SRPS) Type III in a fetus with increased BPD associated with polyhydramnios in China.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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