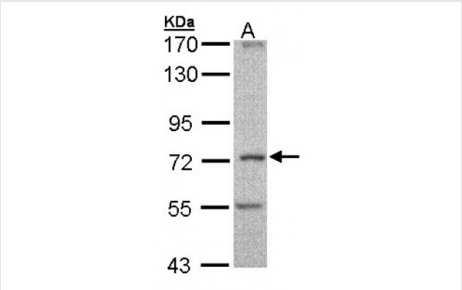
DNAI2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DNAI2, Polyclonal Antibody
Full Product Name	DNAI2 Antibody
Product Gene Name	anti-DNAI2 antibody
Product Synonym Names	Affinity Purified Rabbit Polyclonal DNAI2 Antibody; Polyclonal DNAI2 antibody; Anti-DNAI2 antibody; DNAI-2 antibody; dynein axonemal intermediate chain 2 antibody; DNAI 2; DNAI2; dynein intermediate chain 2 axonemal antibody; dynein axonemal intermediate polypeptide 2 antibody; DNAI 2 antibody; DNAI2 antibody; DNAI-2; CILD9 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Form/Format	Supplied as a concentrated soloution containing 0.1M Tris, 0.1M Glycine, 10% Glycerol (pH 7.0). 0.01% Thimerosal was added as a preservative.
Purity/Purification	Antigen-Affinity Chromatography
Concentration	0.77 mg/ml (lot specific)
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.
Molecular Weight	69 kDa
OMIM	605483
3D Structure	ModBase 3D Structure for Q9GZS0
Immunogen	DNAI2 antibody was raised in rabbit using a recombinant protein fragment contain a sequence corresponding to a region within amino acids 382 and 555 of DNAI2
Cross-Reactivity	Human
Product Categories/Family for anti-DNAI2 antibody	Cell Biology
Applications Tested/Suitable for anti-DNAI2 antibody	Western Blot (WB)
Application Notes for anti-DNAI2 antibody	WB: 1:500-1:3000
Related Product Information for anti-DNAI2 antibody	The protein encoded by this gene belongs to the dynein intermediate chain family, and is part of the dynein complex of respiratory cilia and sperm flagella. Mutations in this gene are associated with primary ciliary dyskinesia type 9.
Other Notes	Small volumes of anti-DNAI2 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 DNAI2 purchase	MBS5312114 is an antibody targeting DNAI2. Also known as DNAI2 Antibody. Host: Rabbit.



Western Blot (WB) of anti-DNAI2 antibody
Western blot analysis of 30 ug of whole cell lysate (A: Molt-4) using a 7.5% SDS PAGE gel and DNAI2 antibody at a dilution of 1:1000

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DNAI2. It may not necessarily be applicable to this product.

NCBI GI #	217416452
NCBI GeneID	64446
UniProt Primary Accession #	Q9GZS0
UniProt Related Accession #	Q9GZS0
GenBank Nucleotide #	NP_075462.3
NCBI Official Full Name	dynein intermediate chain 2, axonemal isoform 1
NCBI Official Synonym Full Names	dynein axonemal intermediate chain 2
NCBI Official Symbol	DNAI2
NCBI Official Synonym Symbols	DIC2; CILD9
UniProt Protein Name	Dynein intermediate chain 2, axonemal
UniProt Synonym Protein Names	Axonemal dynein intermediate chain 2
Protein Family	Dynein
UniProt Gene Name	DNAI2
UniProt Entry Name	DNAI2_HUMAN
NCBI Protein Information	dynein intermediate chain 2, axonemal
NCBI Summary for DNAI2	The protein encoded by this gene belongs to the dynein intermediate chain family, and is part of the dynein complex of respiratory cilia and sperm flagella. Mutations in this gene are associated with primary ciliary dyskinesia type 9. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Mar 2010]

UniProt Comments for DNAI2	DNAI2: Part of the dynein complex of respiratory cilia. Defects in DNAI2 are the cause of primary ciliary dyskinesia type 9 (CILD9). CILD is an autosomal recessive disorder characterized by axonemal abnormalities of motile cilia. Respiratory infections leading to chronic inflammation and bronchiectasis are recurrent, due to defects in the respiratory cilia; reduced fertility is often observed in male patients due to abnormalities of sperm tails. Half of the patients exhibit situs inversus, due to dysfunction of monocilia at the embryonic node and randomization of left-right body asymmetry. Primary ciliary dyskinesia associated with situs inversus is referred to as Kartagener syndrome. Belongs to the dynein intermediate chain family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Motor; Motility/polarity/chemotaxis; Microtubule-binding Chromosomal Location of Human Ortholog: 17q25 Cellular Component: microtubule; axonemal dynein complex; axoneme Molecular Function: protein binding; microtubule motor activity Biological Process: metabolic process; cilium biogenesis Disease: Ciliary Dyskinesia, Primary, 9
Research Articles on DNAI2	**1.** Clinical trial of gene-disease association and gene-environment interaction. (HuGE Navigator)
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