

Product Datasheet

Dynein intermediate chain 2 Antibody (1C8) - Azide and BSA Free H00064446-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Publications: 16

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/H00064446-M01

Updated 2/21/2025 v.20.1

Earn rewards for product reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/H00064446-M01



H00064446-M01

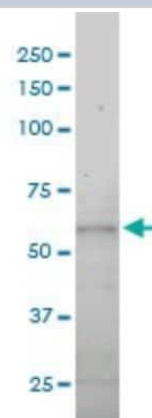
Dynein intermediate chain 2 Antibody (1C8) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1C8
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Host	Mouse
Gene ID	64446
Gene Symbol	DNAI2
Species	Human, Mouse, Canine, Reptile
Specificity/Sensitivity	DNAI2 - dynein, axonemal, intermediate polypeptide 2
Immunogen	DNAI2 (AAH39582, 1 a.a. ~ 593 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MEIVYVYVKKRSEFGKQCNFSDRQAE LNIDIMPNP ELAEQFVERN PVDTGIQCS ISMSEHEANSERFEMETRGNHVEGGWPKDVNPLELEQTIRFRKKVEKDENYV NAIMQLGSIMEHC IKQNNADIYEEYFNDEEAMEVMEEDPSAKTINVFRDPQEI K RAATHLSWHPDGNRKLAVAYSCLDFQRAPVGMSSDSYIWDLENPNKPELALK PSSPLVTLEFNPKDSHVLLGGCYNGQIACWDTRKGS LVAELSTIESSHRDPVY GTIWLQSKTGTECF SASTDGQVMWWDIRKMSEPT EVVILDITKKEQLENALGAI SLEFESTLPTKFMVGTEQGIVISCNRAKTS AEKIVCTFP GHGPIYALQRNPFY PKNFLT VGDWTARIWSEDSRESSIMWTKYH MAYLTDAAWSPVRPTVFFTTM DGTLDI WDFMFEQCDPTLSLKDNGCL IACGSQ LGTTTLLEVSPGLSTLQRNEKN VASSMFERETRREKILEARHREMR LKEKGKAEGRDEEQ TDEELAVDLEALVSK AEEFFDIIFTELKKKEADAIK LTPVPQQPSPEEDQVVEEGEEAAGEEGDEEVE EDLA
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Functional, Immunocytochemistry/ Immunofluorescence, Sandwich ELISA
Recommended Dilutions	Western Blot 1:500, ELISA 1:100-1:2000, Immunocytochemistry/ Immunofluorescence 1:10-1:2000, Functional, Sandwich ELISA
Application Notes	Antibody reactive against cell lysate, transfected lysate and recombinant protein for Western Blot. Has also been used for immunofluorescence and ELISA.



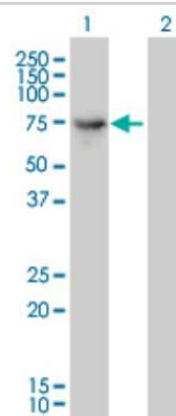
Images

Western Blot: Dynein intermediate chain 2 Antibody (1C8) [H00064446-M01] - DNAI2 monoclonal antibody (M01), clone 1C8 Analysis of DNAI2 expression in A-431.

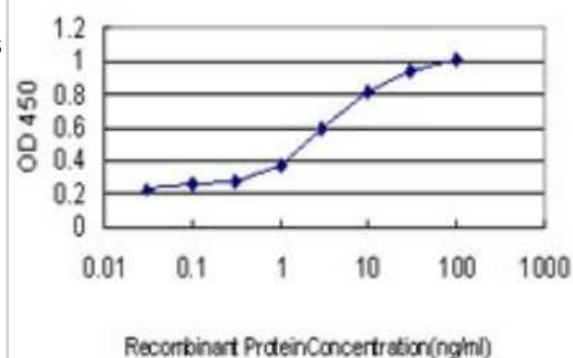


Immunocytochemistry/Immunofluorescence: Dynein intermediate chain 2 Antibody (1C8) [H00064446-M01] - Analysis of monoclonal antibody to DNAI2 on A-431 cell. Antibody concentration 10 ug/ml. ✖

Western Blot: Dynein intermediate chain 2 Antibody (1C8) [H00064446-M01] - Analysis of DNAI2 expression in transfected 293T cell line by DNAI2 monoclonal antibody (M01), clone 1C8. Lane 1: DNAI2 transfected lysate(67 KDa). Lane 2: Non-transfected lysate.



Sandwich ELISA: Dynein intermediate chain 2 Antibody (1C8) [H00064446-M01] - Detection limit for recombinant GST tagged DNAI2 is approximately 0.03ng/ml as a capture antibody.



Publications

Kim DY, Sub YJ, Kim HY et al. LRRC6 regulates biogenesis of motile cilia by aiding FOXJ1 translocation into the nucleus Cell communication and signaling : CCS 2023-06-16 [PMID: 37328841] (Western Blot, Immunocytochemistry/ Immunofluorescence, Mouse)

Kajikawa E, Horo U, Ide T et al. Nodal paralogues underlie distinct mechanisms for visceral left-right asymmetry in reptiles and mammals. Nat Ecol Evol. 2020-01-06 [PMID: 31907383]

Takahiro I, Wang T, Hao L et al. CFAP53 regulates mammalian cilia-type motility patterns through differential localization and recruitment of axonemal dynein components. PLoS Genet. 2020-12-21 [PMID: 33347437]

Beurois J, Martinez G, Cazin C et al. CFAP70 mutations lead to male infertility due to severe asthenoteratozoospermia. A case report. Hum Reprod. 2019-10-02 [PMID: 31621862]

Cho KJ, Noh SH, Han SM et al. ZMYND10 stabilizes intermediate chain proteins in the cytoplasmic pre-assembly of dynein arms. PLoS Genet. 2018-03-30 [PMID: 29601588]

Li Y, Sha Y, Wang X et al. DNAH2 is a novel candidate gene associated with multiple morphological abnormalities of the sperm flagella Clin. Genet. 2019-02-27 [PMID: 30811583] (ICC/IF, WB, Human)

Zhang Y, Chen Y, Zheng J et al. Vertebrate Dynein-f depends on Wdr78 for axonemal localization and is essential for ciliary beat. J Mol Cell Biol 2018-07-28 [PMID: 30060180]

Miao C, Jiang Q, Li H et al. Mutations in the Motile Cilia Gene DNAAF1 Are Associated with Neural Tube Defects in Humans. G3 (Bethesda) 2016-10-13 [PMID: 27543293] (Human)

Kourtidis A, Anastasiadis PZ. PLEKHA7 defines an apical junctional complex with cytoskeletal associations and miRNA-mediated growth implications. Cell Cycle. 2016-01-29 [PMID: 26822694] (ICC/IF, Human)

Loges NT, Olbrich H, Fenske L et al. DNAI2 Mutations Cause Primary Ciliary Dyskinesia with Defects in the Outer Dynein Arm. Am J Hum Genet. 2008-10-22 [PMID: 18950741]

Omran H, Kobayashi D, Olbrich H et al. Ktu/PF13 is required for cytoplasmic pre-assembly of axonemal dyneins. Nature. 2008-12-04 [PMID: 19052621]

Ben Khelifa M, Coutton C, Zouari R et al. Mutations in DNAH1, which Encodes an Inner Arm Heavy Chain Dynein, Lead to Male Infertility from Multiple Morphological Abnormalities of the Sperm Flagella. Am J Hum Genet. 2013-12-19 [PMID: 24360805]

More publications at <http://www.novusbio.com/H00064446-M01>





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to H00064446-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
H00064446-P01-10ug	Recombinant Human Dynein intermediate chain 2 GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/H00064446-M01

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

