

# 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](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

**Publications: 16**

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

Updated 9/9/2025 v.20.1

Earn rewards for product reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/H00064446-M01](http://www.novusbio.com/reviews/destination/H00064446-M01)



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

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	1C8
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2a Kappa
<b>Purity</b>	IgG purified
<b>Buffer</b>	In 1x PBS, pH 7.4

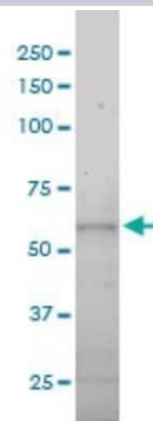
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse Dynein intermediate chain 2 Antibody (1C8) - Azide and BSA Free (H00064446-M01) is a monoclonal antibody validated for use in WB, ELISA and ICC/IF. Anti-Dynein intermediate chain 2 Antibody: Cited in 16 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	64446
<b>Gene Symbol</b>	DNAI2
<b>Species</b>	Human, Mouse, Canine, Reptile
<b>Specificity/Sensitivity</b>	DNAI2 - dynein, axonemal, intermediate polypeptide 2
<b>Immunogen</b>	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 LNIDIMP NP ELAEQFVERNPVDTGIQCS ISMSEHEANSERFEMETRGNHVEGGWPKDVNPLELEQTIRFRKKVEKDENYV NAIMQLGSIMEHCIKQNN AID IYEEYFNDEEAMEVMEEDPSAKTINVFRDPQEI K RAATHLSWHPDGNRKLAVAYSCLDFQRAPVGMSSDSYIWDLENPNKPELALK PSSPLVTLEFNPKDSHVLLGGCYNGQIACWDTRKGS LVAELSTIESSHRDPVY GTIWLQSKTGTECF SASTDGQVMWWDIRKMSEPT EVVILDITKKEQL ENALGAI SLEFESTLPTKFMVGTEQGVIVISCN RKA K T SAEKIVCTFPGHGPIYALQRNPFY PKNFLTVDWTARIWSEDSRESSIMWTKYH MAYLTDAAWSPVRPTVFFTRM DGTLDIWDFMFEQCDPTLSLKDNGCL IACGSQLGTTTLL EVSPGLSTLQRNEKN VASSMFERETRREKILEARHREMLRKEKGA EGRDEEQ TDEELAVDLEALVSK AEEFFDIIFTELKKKEADA IKLTPVPQQPSPEEDQVVEEGEEAAGEEGDEEVE EDLA
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Functional, Immunocytochemistry/ Immunofluorescence, Sandwich ELISA
<b>Recommended Dilutions</b>	Western Blot 1:500, ELISA 1:100-1:2000, Immunocytochemistry/ Immunofluorescence 1:10-1:2000, Functional, Sandwich ELISA
<b>Application Notes</b>	Antibody reactive against cell lysate, transfected lysate and recombinant protein for Western Blot. Has also been used for immunofluorescence and ELISA.

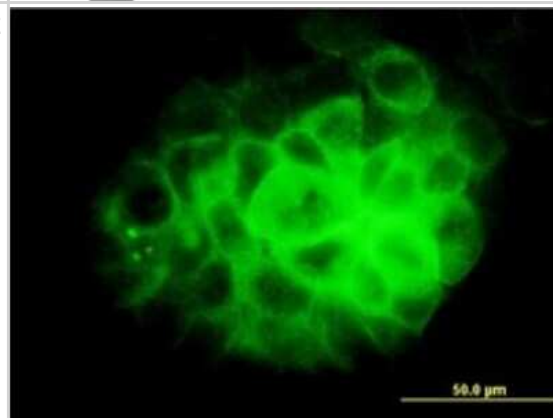


## Images

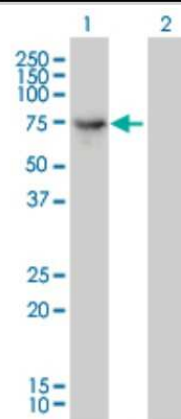
Western Blot: Dynein intermediate chain 2 Antibody (1C8) [H00064446-M01] - DNAI2 monoclonal antibody (M01), clone 1C8 Analysis of DNAI2 expression in A-431.



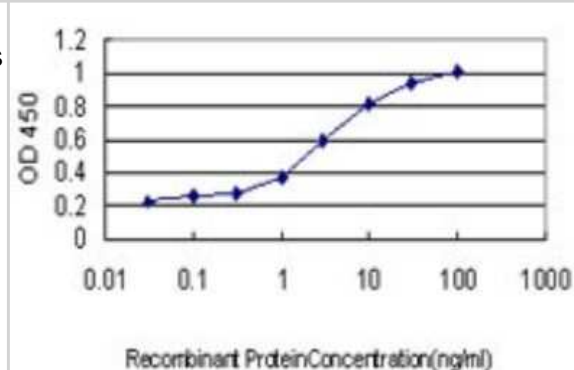
Immunocytochemistry/Immunofluorescence: Dynein intermediate chain 2 Antibody (1C8) [H00064446-M01] - Analysis of monoclonal antibody to DNAI2 on A-431 cell. Antibody concentration 10 ug/ml.



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**

---

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)

---

### **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](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/H00064446-M01](http://www.novusbio.com/reviews/submit/H00064446-M01)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

