

Product Datasheet

DYRK1A Antibody (7D10) - Azide and BSA Free H00001859-M01

Unit Size: 0.1 mg

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

www.novusbio.com



technical@novusbio.com

Publications: 66

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/H00001859-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/H00001859-M01



H00001859-M01

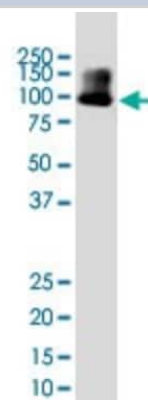
DYRK1A Antibody (7D10) - Azide and BSA Free

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	7D10
Preservative	No Preservative
Isotype	IgG2b Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	1859
Gene Symbol	DYRK1A
Species	Human, Mouse, Rat
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 23220201).
Specificity/Sensitivity	DYRK1A - dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1A
Immunogen	DYRK1A (NP_001387, 674 a.a. ~ 763 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. NQGNQAYQNRPAANTLDFGQNGAMDVNLTVYSNPRQETGIAGHPTYQFSAN TGPAHYMTEGHLTMRQGADREESPMTGVCVQQSPVASS
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, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Functional
Application Notes	This antibody reactivity against cell lysate and recombinant protein for WB. It has been used for ELISA. IP usage reported in scientific literature (PMID 25368549). IHC usage reported in scientific literature (PMID 23220201).

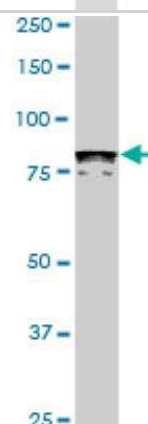


Images

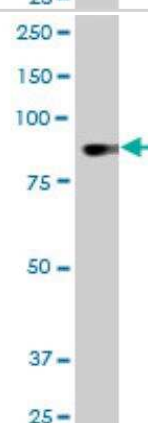
Western Blot: DYRK1A Antibody (7D10) [H00001859-M01] - DYRK1A monoclonal antibody (M01), clone 7D10. Western Blot analysis of DYRK1A expression in Raw 264.7.



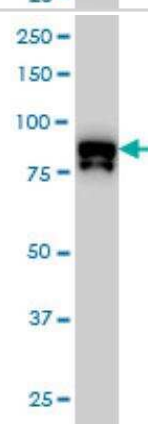
Western Blot: DYRK1A Antibody (7D10) [H00001859-M01] - DYRK1A monoclonal antibody (M01), clone 7D10. Western Blot analysis of DYRK1A expression in PC-12 (Cat # L012V1).



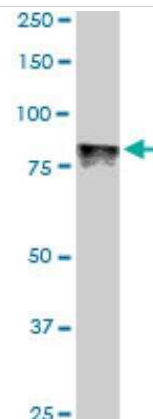
Western Blot: DYRK1A Antibody (7D10) [H00001859-M01] - DYRK1A monoclonal antibody (M01), clone 7D10. Western Blot analysis of DYRK1A expression in 293 (Cat # L026V1).



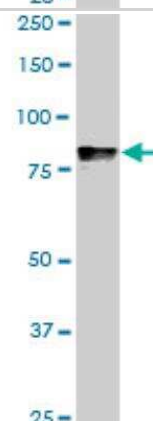
Western Blot: DYRK1A Antibody (7D10) [H00001859-M01] - DYRK1A monoclonal antibody (M01), clone 7D10. Western Blot analysis of DYRK1A expression in Hela NE (Cat # L013V3).



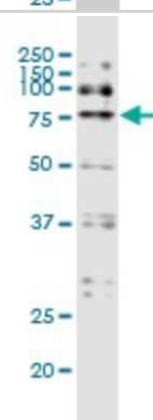
Western Blot: DYRK1A Antibody (7D10) [H00001859-M01] - DYRK1A monoclonal antibody (M01), clone 7D10. Western Blot analysis of DYRK1A expression in Raw 264.7 (Cat # L024V1).



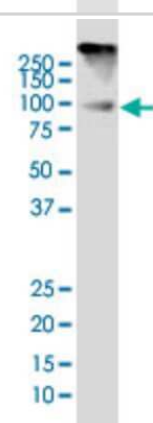
Western Blot: DYRK1A Antibody (7D10) [H00001859-M01] - DYRK1A monoclonal antibody (M01), clone 7D10. Western Blot analysis of DYRK1A expression in NIH/3T3 (Cat # L018V1).



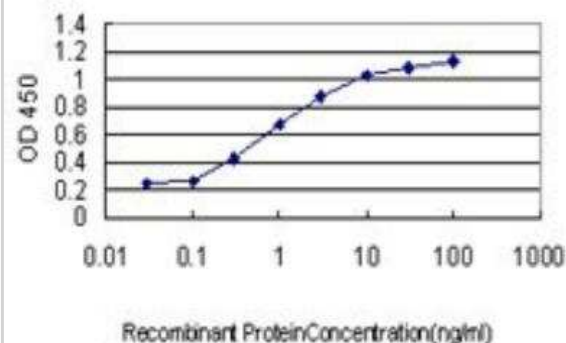
Western Blot: DYRK1A Antibody (7D10) [H00001859-M01] - DYRK1A monoclonal antibody (M01), clone 7D10. Analysis of DYRK1A expression in Hela S3 NE.



Western Blot: DYRK1A Antibody (7D10) [H00001859-M01] - DYRK1A monoclonal antibody (M01), clone 7D10. Western Blot analysis of DYRK1A expression in K-562.



ELISA: DYRK1A Antibody (7D10) [H00001859-M01] - Detection limit for recombinant GST tagged DYRK1A is approximately 0.03ng/ml as a capture antibody.



Publications

Laura H, Faith P, Megan S et al. Sexually dimorphic DYRK1A overexpression on postnatal day 15 in the Ts65Dn mouse model of Down syndrome: Effects of pharmacological targeting on behavioral phenotypes. *Pharmacol Biochem Behav.* 2022-05-14 [PMID: 35576991]

Marta F, Yu G, Nadim K et al. Ethanol-Induced Changes in Brain of Transgenic Mice Overexpressing DYRK1A. *Mol Neurobiol.* 2020-06-05 [PMID: 32504418]

Audrain M, Souchet B, Alves S et al. ?APP Processing Drives Gradual Tau Pathology in an Age-Dependent Amyloid Rat Model of Alzheimers Disease. *Cereb Cortex.* 2018-11-01 [PMID: 29048465]

Chiara V, Daniela B, Abul I et al. Chromatin-wide profiling of DYRK1A reveals a role as a gene-specific RNA polymerase II CTD kinase. *Mol Cell.* 2015-01-22 [PMID: 25620562]

Ilsabel P, Elisa B, Cristina S et al. Impaired macroglial development and axonal conductivity contributes to the neuropathology of DYRK1A-related intellectual disability syndrome. *Sci Rep.* 2022-11-19 [PMID: 36402907]

Paige M, Justin T, Silvia A et al. Genetic Mapping of APP and Amyloid-? Biology Modulation by Trisomy 21. *J Neurosci.* 2022-08-17 [PMID: 35835549]

David W, James M, Pawel D et al. Fragment-Derived Selective Inhibitors of Dual-Specificity Kinases DYRK1A and DYRK1B. *J Med Chem.* 2021-06-18 [PMID: 34143631]

Chi-Hyun P, Goeun K, Yuri L et al. A natural compound harmine decreases melanin synthesis through regulation of the DYRK1A/NFATC3 pathway. *J Dermatol Sci.* 2021-05-15 [PMID: 34030962]

Csaba W, Melinda S, Attila P et al. Structure-Guided Discovery of Potent and Selective DYRK1A Inhibitors. *J Med Chem.* 2021-05-12 [PMID: 33975430]

Ye L, Eunju I, Minju H et al. Protein phosphatase PPM1B inhibits DYRK1A kinase through dephosphorylation of pS258 and reduces toxic tau aggregation. *J Biol Chem.* 2021-01-08 [PMID: 33380426]

Joung J, Ma S, Tay T et al. A transcription factor atlas of directed differentiation Cell 2023-01-05 [PMID: 36608654] (KO, WB, Human)

Details:

Dilution used 1:250, see supplemental figure S5

Corrective effects of hepatotoxicity by hepatic Dyrk1a gene delivery in mice with intermediate hyperhomocysteinemia. Latour A, Salameh S, Carbonne C et al. *Mol Genet Metab Rep* [PMID: 28649528] (WB, Mouse)

More publications at <http://www.novusbio.com/H00001859-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 H00001859-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)
NBP1-84031PEP	DYRK1A Recombinant Protein Antigen

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/H00001859-M01

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

