

Product Datasheet

Pax2 Antibody (3C7) - Azide and BSA Free H00005076-M01

Unit Size: 0.1 mg

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

www.novusbio.com



technical@novusbio.com

Publications: 17

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/H00005076-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/H00005076-M01



H00005076-M01

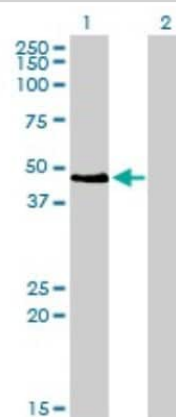
Pax2 Antibody (3C7) - Azide and BSA Free

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	3C7
Preservative	No Preservative
Isotype	IgG2a 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	5076
Gene Symbol	PAX2
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 29370269).
Specificity/Sensitivity	PAX2 - paired box gene 2
Immunogen	PAX2 (NP_000269, 194 a.a. ~ 303 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. PRSNGEKRRKRDVSEGSVPNGDSQSGVDSLRLKHLRADTFTQQQLEALDRVFERPSYPDVFAQSEHIKSEQGNEYSLPALTPGLDEVKSSLSASTNPELGSNVSGTQTYP
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen
Application Notes	GST tag alone is used as a negative control. ICC/IF usage reported in scientific literature (PMID: 23995685).

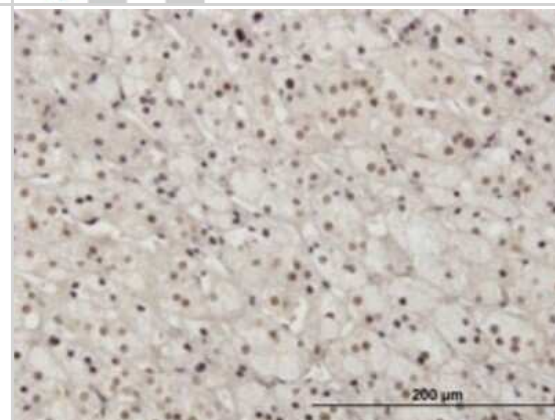


Images

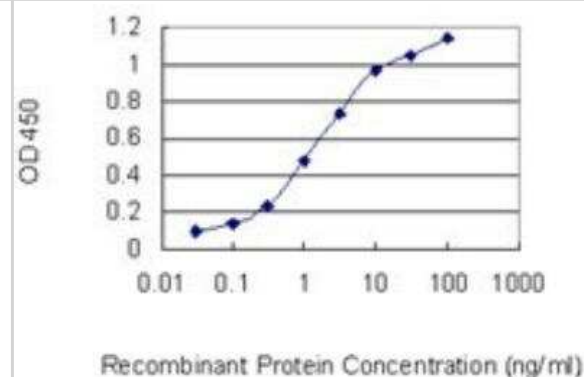
Western Blot: Pax2 Antibody (3C7) [H00005076-M01] - Analysis of PAX2 expression in transfected 293T cell line by PAX2 monoclonal antibody (M01), clone 3C7. Lane 1: PAX2 transfected lysate(47.41 KDa). Lane 2: Non-transfected lysate.



Immunohistochemistry-Paraffin: Pax2 Antibody (3C7) [H00005076-M01] - Analysis of monoclonal antibody to PAX2 on formalin-fixed paraffin-embedded human adrenal gland. Antibody concentration 0.5 ug/ml.



ELISA: Pax2 Antibody (3C7) [H00005076-M01] - Detection limit for recombinant GST tagged PAX2 is 0.03 ng/ml as a capture antibody.



Publications

Kangli C, Yaqing W, Yujuan Z et al. Neurodevelopmental impairment induced by prenatal valproic acid exposure shown with the human cortical organoid-on-a-chip model. *Microsyst Nanoeng.* 2020-07-13 [PMID: 34567661]

Yasuhito M, Yoichi U, Akinori S et al. Analysis of the proportion and neuronal activity of excitatory and inhibitory neurons in the rat dorsal spinal cord after peripheral nerve injury. *Neurosci Lett.* 2021-02-15 [PMID: 33600905]

Yaqing W, Li W, Yaqiong G et al. Engineering stem cell-derived 3D brain organoids in a perfusable organ-on-a-chip system. *RSC Adv.* 2018-01-05 [PMID: 35540867]

May T, Joao B, Katherine H et al. Ablation of spinal cord estrogen receptor α -expressing interneurons reduces chemically-induced modalities of pain and itch. *J Comp Neurol.* 2020-01-06 [PMID: 31872868]

Shota O, Honoka I, Ayano S et al. Generation of two induced pluripotent stem cell lines from individuals without auditory disorders. *Stem Cell Res.* 2023-01-04 [PMID: 36630839]

Kazuhiko B, Makoto K, Haruki N et al. Upregulation of the hypothalamo-neurohypophysial system and activation of vasopressin neurones attenuates hyperalgesia in a neuropathic pain model rat. *Sci Rep.* 2022-08-05 [PMID: 35906406]

Wang X, Fan W, Xu Z et al. SOX2-positive retinal stem cells are identified in adult human pars plicata by single-cell transcriptomic analyses *MedComm* 2023-02-01 [PMID: 36582303] (Immunocytochemistry/ Immunofluorescence)

Zhu Y, Wang L, Yin F et al. Probing impaired neurogenesis in human brain organoids exposed to alcohol. *Integr Biol (Camb)* 2017-12-11 [PMID: 29168871]

Knoblich J, Lancaster MA., et al. Three Dimensional Heterogeneously Differentiated Tissue Culture. United States Patent Application 2015-11-19

Wang Y, Wang L, Zhu Y, Qin J. Human brain organoid-on-a-chip to model prenatal nicotine exposure. *Lab Chip* 2018-03-13 [PMID: 29437173] (Human)

Patel D, Shimomura A, Majumdar S et al. The histone demethylase LSD1 regulates inner ear progenitor differentiation through interactions with Pax2 and the NuRD repressor complex. *PLoS One* 2018-01-25 [PMID: 29370269] (WB, Mouse)

Zhu Y, Wang L, Yu H et al. In situ generation of human brain organoids on a micropillar array. *Lab Chip* 2017-07-28 [PMID: 28752164]

More publications at <http://www.novusbio.com/H00005076-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 H00005076-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)
NBP2-57700PEP	Pax2 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/H00005076-M01

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

