Product Datasheet

NeuroD1 Antibody - BSA Free
NBP1-88661

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 1

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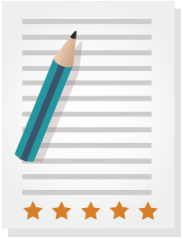
Updated 2/21/2025 v.20.1



NBP1-88661

NeuroD1 Antibody - BSA Free

Product Information

Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description

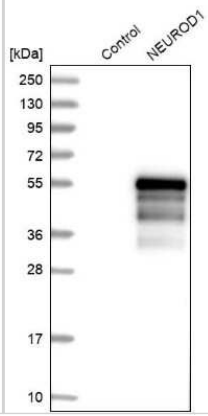
Host	Rabbit
Gene ID	4760
Gene Symbol	NEUROD1
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: ASFPVHPYSYQSPGLPSPPYGTMDSSHVFHVKPPPHAYSAALEPFFESPLTDC TSPSFDGPLSPPLSINGNFSFKHEPSAEFEKNYAFTMHYPAATLAGAQSHGSIF SGTAAPRCEIPIDNIMSFDSHSHHERVMSAQL

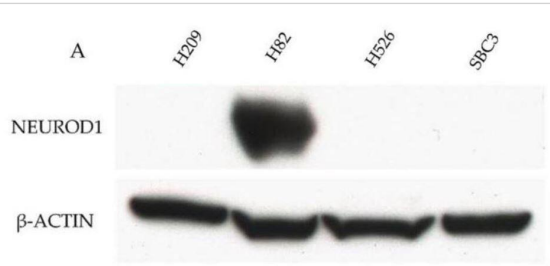
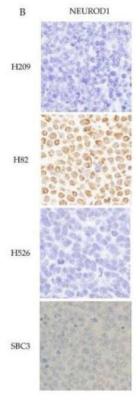
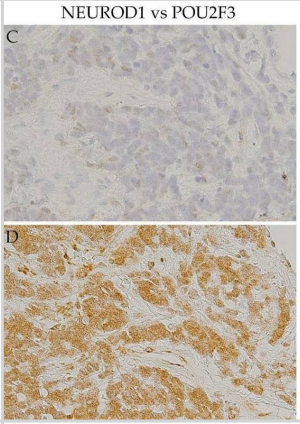
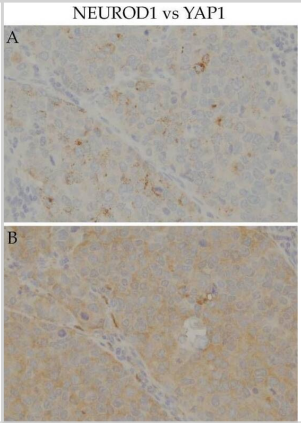
Product Application Details

Applications	Western Blot, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/ml, Immunohistochemistry Validated for Immunohistochemistry from CiteAb

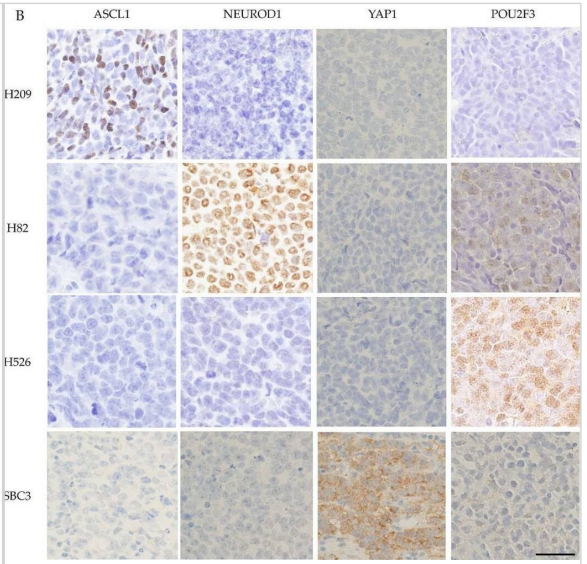
Images

Western Blot: NeuroD1 Antibody [NBP1-88661] - Analysis in control (vector only transfected HEK293T lysate) and NEUROD1 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).

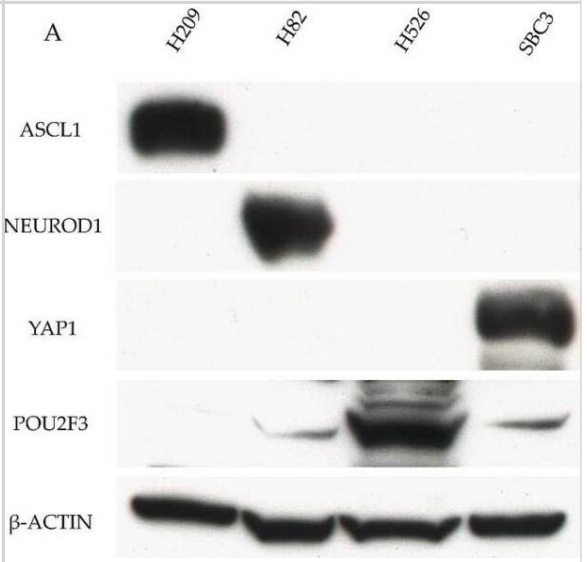


Western Blot: NeuroD1 Antibody [NBP1-88661] - Example of the positive control of the four key molecules by WB in SCLC cell lines. NeuroD1 was strongly expressed in H82 cells. Beta-actin served as an internal control. Image collected and cropped by CiteAb from the following publication (//pubmed.ncbi.nlm.nih.gov/33202998/) licensed under a CC-BY license.	
Immunohistochemistry: NeuroD1 Antibody [NBP1-88661] - Example of the positive control of the four key molecules in xenotransplanted tumor tissues from the four cell lines in mice by IHC. NeuroD1 staining was found in the tumor cell nuclei of H82 cells. Image collected and cropped by CiteAb from the following publication (//pubmed.ncbi.nlm.nih.gov/33202998/) licensed under a CC-BY license.	
Immunohistochemistry: NeuroD1 Antibody [NBP1-88661] - IHC of the co-expression of key molecules other than ASCL1 in SCLC samples. Serial section immunostaining for NEUROD1 (A) & YAP1 (B): SCLC cell nuclei were positive for NEUROD1 (A), & the cytoplasm was positive for YAP1 (B). Serial section immunostaining for NEUROD1 (C) & POU2F31 (D): SCLC cell nuclei were positive for NEUROD1 (C), & the cytoplasm was positive for POU2F3 (D). The cytoplasm of SCLC cells was positive for YAP1 (E) & POU2F3 (F). Scale bar = 100 µm. Image collected & cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/33202998), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	
Immunohistochemistry: NeuroD1 Antibody [NBP1-88661] - IHC of the co-expression of key molecules other than ASCL1 in SCLC samples. Serial section immunostaining for NEUROD1 (A) & YAP1 (B): SCLC cell nuclei were positive for NEUROD1 (A), & the cytoplasm was positive for YAP1 (B). Serial section immunostaining for NEUROD1 (C) & POU2F31 (D): SCLC cell nuclei were positive for NEUROD1 (C), & the cytoplasm was positive for POU2F3 (D). The cytoplasm of SCLC cells was positive for YAP1 (E) & POU2F3 (F). Scale bar = 100 µm. Image collected & cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/33202998), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	

Immunohistochemistry: NeuroD1 Antibody [NBP1-88661] - Example of the positive control of four key molecules by WB & IHC in SCLC samples. (A) Example of the positive control of the four key molecules by WB in SCLC cell lines. ASCL1 was strongly expressed in H209 cells. NeuroD1 was strongly expressed in H82 cells. Pou2F3 was strongly expressed in H526 cells & weakly expressed in H82 & SBC3 cells. YAP1 was strongly expressed in SBC3 cells. β-actin served as an internal control. (B) Example of the positive control of the four key molecules in xenotransplanted tumor tissues from the four cell lines in mice by IHC. ASCL1 staining was found in tumor cell nuclei of H209 cells. NeuroD1 staining was found in the tumor cell nuclei of H82 cells. Pou2F3 staining with a diffuse cytoplasmic pattern was found in H82, H526, & SBC3 cells. The Pou2F3 staining intensity was weak in H82 & SBC3 cells & strong in H526 cells. YAP1 was stained with a membranous pattern in SBC3 cells. Scale bar = 50 µm. Image collected & cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/33202998), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Western Blot: NeuroD1 Antibody [NBP1-88661] - Example of the positive control of four key molecules by WB & IHC in SCLC samples. (A) Example of the positive control of the four key molecules by WB in SCLC cell lines. ASCL1 was strongly expressed in H209 cells. NeuroD1 was strongly expressed in H82 cells. Pou2F3 was strongly expressed in H526 cells & weakly expressed in H82 & SBC3 cells. YAP1 was strongly expressed in SBC3 cells. β-actin served as an internal control. (B) Example of the positive control of the four key molecules in xenotransplanted tumor tissues from the four cell lines in mice by IHC. ASCL1 staining was found in tumor cell nuclei of H209 cells. NeuroD1 staining was found in the tumor cell nuclei of H82 cells. Pou2F3 staining with a diffuse cytoplasmic pattern was found in H82, H526, & SBC3 cells. The Pou2F3 staining intensity was weak in H82 & SBC3 cells & strong in H526 cells. YAP1 was stained with a membranous pattern in SBC3 cells. Scale bar = 50 µm. Image collected & cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/33202998), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Sato Y, Okamoto I, Kameyama H et al. Integrated Immunohistochemical Study on Small-Cell Carcinoma of the Lung Focusing on Transcription and Co-Transcription Factors Diagnostics (Basel) 2020-11-13 [PMID: 33202998] (WB)

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

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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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.

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