

Product Datasheet

Dopamine beta-Hydroxylase Antibody NBP1-31386

Unit Size: 100 ul

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

www.novusbio.com



technical@novusbio.com

Publications: 5

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP1-31386

Updated 9/25/2025 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/NBP1-31386



NBP1-31386

Dopamine beta-Hydroxylase Antibody

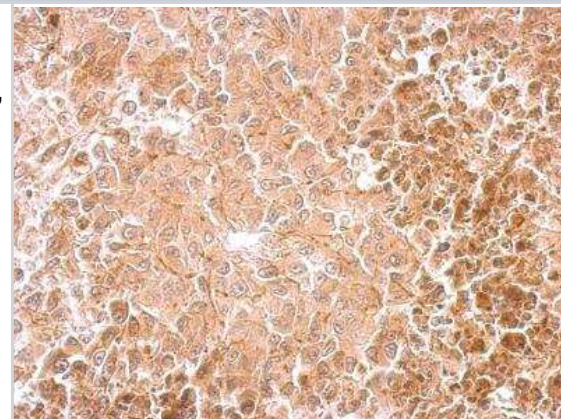
Product Information	
Unit Size	100 ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 1% BSA, 20% Glycerol
Target Molecular Weight	69 kDa

Product Description	
Description	Novus Biologicals Rabbit Dopamine beta-Hydroxylase Antibody (NBP1-31386) is a polyclonal antibody validated for use in IHC and WB. Anti-Dopamine beta-Hydroxylase Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	1621
Gene Symbol	DBH
Species	Human, Mouse, Rat
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Rhesus Macaque (86%), Bovine (80%).
Immunogen	Recombinant protein encompassing a sequence within the center region of human Dopamine beta-Hydroxylase. The exact sequence is proprietary.

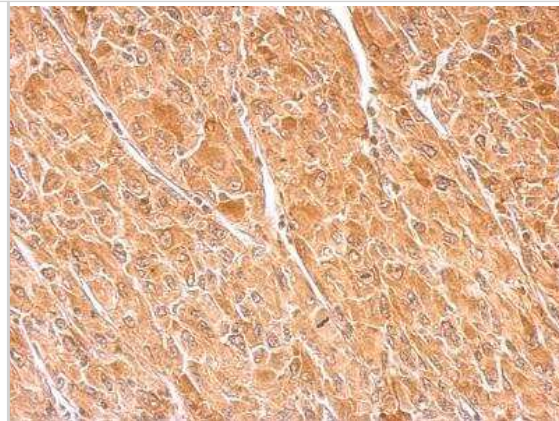
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

Images

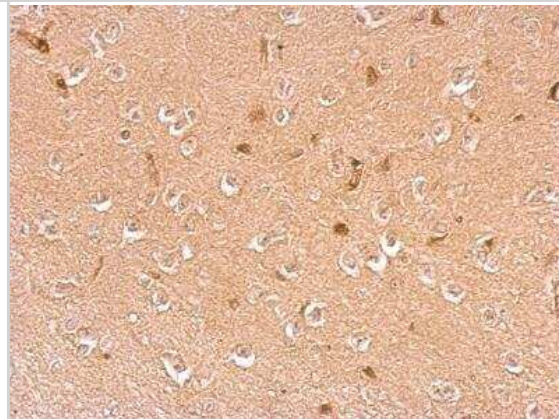
Immunohistochemistry-Paraffin: Dopamine beta-Hydroxylase Antibody [NBP1-31386] - RT2 xenograft. Dopamine beta hydroxylase antibody dilution: 1:500. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



Immunohistochemistry-Paraffin: Dopamine beta-Hydroxylase Antibody [NBP1-31386] - U87 xenograft. Dopamine beta hydroxylase antibody dilution: 1:500. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



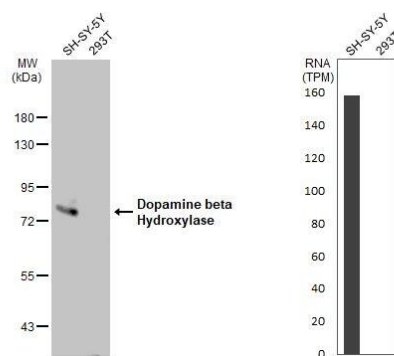
Immunohistochemistry-Paraffin: Dopamine beta-Hydroxylase Antibody [NBP1-31386] - Mouse brain. Dopamine beta hydroxylase antibody dilution: 1:500. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



Dopamine beta-Hydroxylase Antibody [NBP1-31386] - Mouse brain. Dopamine beta Hydroxylase stained by Dopamine beta Hydroxylase antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.

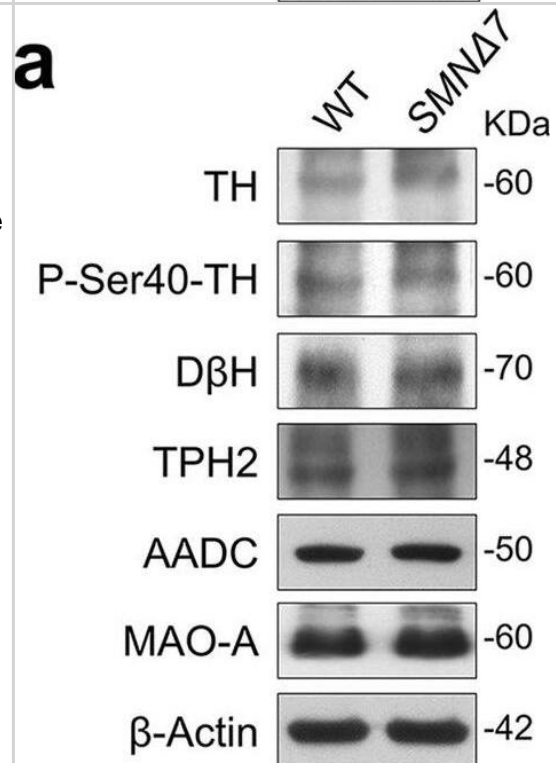
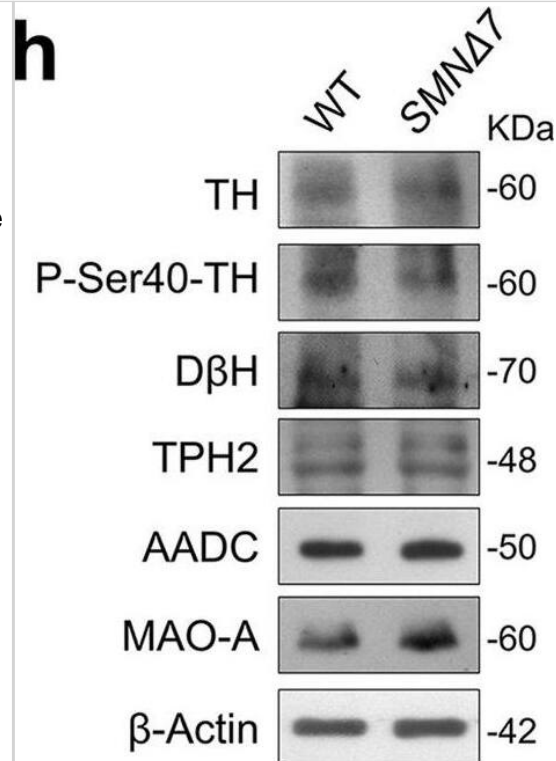


Western Blot: Dopamine beta-Hydroxylase Antibody [NBP1-31386] - Various whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Dopamine beta Hydroxylase antibody diluted at 1:2000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody. Corresponding RNA expression data for the same cell lines are based on Human Protein Atlas program.



Expression levels of monoamine-regulating enzymes in the brain of SMN Δ 7 mice. a, h, o Representative autoradiograms of brain lysates immunoblots of SMN Δ 7 and wild-type (WT) mice at a post-natal day 3, h day 6, and o day 11. b–g Protein levels quantification of b Tyrosine hydroxylase (TH), c phospho-Tyrosine hydroxylase at Ser-40 (P-Ser40-TH), d Dopamine β hydroxylase (D β H), e Tryptophan hydroxylase 2 (TPH2), f Aromatic amino acid decarboxylase (AADC) and g Monoamine Oxidase A (MAO-A) in SMN Δ 7 (n = 4) and WT (n = 5) mice (except for TPH2: n = 4 mice/genotype) at post-natal day 3. i–n Protein levels quantification of i TH (n = 4 WT, n = 5 SMN Δ 7), j P-Ser40-TH (n = 4 WT, n = 5 SMN Δ 7), k D β H (n = 4 WT, n = 4 SMN Δ 7), l TPH2 (n = 4 WT, n = 3 SMN Δ 7), m AADC (n = 4 WT, n = 5 SMN Δ 7) and n MAO-A (n = 4 WT, n = 5 SMN Δ 7) at post-natal day 6. p–u Protein levels quantification of p TH (n = 13 WT, n = 14 SMN Δ 7), q P-Ser40-TH (n = 4 WT, n = 5 SMN Δ 7), r D β H (n = 4 WT, n = 5 SMN Δ 7), s TPH2 (n = 4 WT, n = 5 SMN Δ 7), t AADC (n = 13 WT, n = 14 SMN Δ 7) and u MAO-A (n = 8 WT, n = 10 SMN Δ 7) at post-natal day 11. Data are normalized to β -Actin levels and shown as box and whisker plots representing the median with interquartile range (IQR). Dots represent individual mice values. *p < 0.05, **p < 0.01, compared with age-matched WT mice (unpaired t-test). Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/37957344>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.

Expression levels of monoamine-regulating enzymes in the brain of SMN Δ 7 mice. a, h, o Representative autoradiograms of brain lysates immunoblots of SMN Δ 7 and wild-type (WT) mice at a post-natal day 3, h day 6, and o day 11. b–g Protein levels quantification of b Tyrosine hydroxylase (TH), c phospho-Tyrosine hydroxylase at Ser-40 (P-Ser40-TH), d Dopamine β hydroxylase (D β H), e Tryptophan hydroxylase 2 (TPH2), f Aromatic amino acid decarboxylase (AADC) and g Monoamine Oxidase A (MAO-A) in SMN Δ 7 (n = 4) and WT (n = 5) mice (except for TPH2: n = 4 mice/genotype) at post-natal day 3. i–n Protein levels quantification of i TH (n = 4 WT, n = 5 SMN Δ 7), j P-Ser40-TH (n = 4 WT, n = 5 SMN Δ 7), k D β H (n = 4 WT, n = 4 SMN Δ 7), l TPH2 (n = 4 WT, n = 3 SMN Δ 7), m AADC (n = 4 WT, n = 5 SMN Δ 7) and n MAO-A (n = 4 WT, n = 5 SMN Δ 7) at post-natal day 6. p–u Protein levels quantification of p TH (n = 13 WT, n = 14 SMN Δ 7), q P-Ser40-TH (n = 4 WT, n = 5 SMN Δ 7), r D β H (n = 4 WT, n = 5 SMN Δ 7), s TPH2 (n = 4 WT, n = 5 SMN Δ 7), t AADC (n = 13 WT, n = 14 SMN Δ 7) and u MAO-A (n = 8 WT, n = 10 SMN Δ 7) at post-natal day 11. Data are normalized to β -Actin levels and shown as box and whisker plots representing the median with interquartile range (IQR). Dots represent individual mice values. *p < 0.05, **p < 0.01, compared with age-matched WT mice (unpaired t-test). Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/37957344>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Valsecchi V, Errico F, Bassareo V et al. SMN deficiency perturbs monoamine neurotransmitter metabolism in spinal muscular atrophy *Communications biology* 2023-11-13 [PMID: 37957344] (WB, Mouse)

Details:

1:1000 WB dilution

Hilton JBW, Kysenius K, Liddell JR, Rautengarten C Disrupted copper availability in sporadic ALS: Implications for Cull (atsm) as a treatment option *BioRxiv* 2020-01-01 (WB, Mouse, Human)

Scifo E, Szwajda A, Soliymani R et al. Quantitative analysis of PPT1 interactome in human neuroblastoma cells. *Data Brief* 2015-09-01 [PMID: 26217791] (Human)

van der Keylen P, Garreis F, Steigleder R et al. Involvement of catecholaminergic neurons in motor innervation of striated muscle in the mouse esophagus. *Histochem. Cell Biol.* 2016-01-21 [PMID: 26794326]

Scifo E, Szwajda A, Soliymani R et al. Proteomic analysis of the palmitoyl protein thioesterase 1 interactome in SH-SY5Y human neuroblastoma cells *J Proteomics* 2015-04-10 [PMID: 25865307] (WB, Human)





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 NBP1-31386

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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/NBP1-31386

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

