

Product Datasheet

Growth Cone Antibody (2G13) - BSA Free NB600-785

Unit Size: 1 ml

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

www.novusbio.com



technical@novusbio.com

Publications: 7

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB600-785

Updated 9/9/2025 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/NB600-785



NB600-785

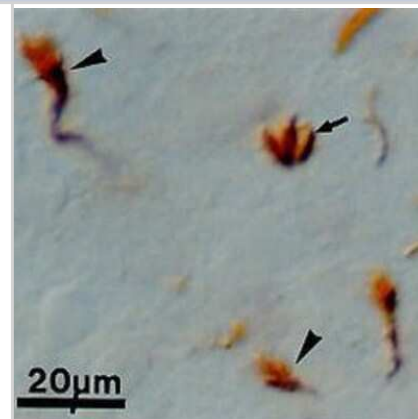
Growth Cone Antibody (2G13) - BSA Free

Product Information	
Unit Size	1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2G13
Preservative	0.09% Sodium Azide
Isotype	IgM
Purity	Tissue culture supernatant
Buffer	Tissue Culture Supernatant
Product Description	
Description	Novus Biologicals Mouse Growth Cone Antibody (2G13) - BSA Free (NB600-785) is a monoclonal antibody validated for use in IHC. Anti-Growth Cone Antibody: Cited in 7 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Species	Chicken
Reactivity Notes	Predicted cross-reactivities: Rat, Mouse Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Specificity/Sensitivity	This is useful as a general reagent for the detection of axonal growth cones in tissue sections and potentially a key marker in neuronal development research.
Immunogen	Embryonic chick tectal membranes
Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500
Application Notes	This antibody can be used in Immunohistochemistry. *Optimal dilution should be determined by the end user. This product does not require protein digestion pre-treatment of paraffin sections. This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections. This antibody does not work in Flow Cytometry.



Images

Immunohistochemistry-Paraffin: Growth Cone Antibody (2G13) [NB600-785] - Staining of growth cones of primary olfactory neurons within the olfactory bulb in the developing rat brain using NB 600-785.



Publications

Toro CA, Hansen J, Siddiq MM et al. The Human ApoE4 Variant Reduces Functional Recovery and Neuronal Sprouting After Incomplete Spinal Cord Injury in Male Mice *Frontiers in Cellular Neuroscience* 2021-02-18 [PMID: 33679326]

Tahtamouni, LH;Alderfer, SA;Kuhn, TB;Minamide, LS;Chanda, S;Ruff, MR;Bamburg, JR; Characterization of a Human Neuronal Culture System for the Study of Cofilin-Actin Rod Pathology *Biomedicines* 2023-10-31 [PMID: 38001943]

Ryu V, Gallaher Z, Czaja K. Plasticity of nodose ganglion neurons after capsaicin- and vagotomy-induced nerve damage in adult rats. *Neuroscience* 2010-06-02 [PMID: 20197082] (Rat)

Bates RC, Stith BJ, Stevens KE. Chronic central administration of valproic acid: Increased pro-survival phosphoproteins and growth cone associated proteins with no behavioral pathology *Pharmacol Biochem Behav* 2012-08-31 [PMID: 22960225] (IF/IHC, Rat)

Espejo, C et al. Time-course expression of CNS inflammatory, neurodegenerative tissue repair markers and metallothioneins during experimental autoimmune encephalomyelitis. *Neuroscience* 132(4):1135-49. 2005-01-01 [PMID: 16078373]

Baloui, H et al. Cellular prion protein/laminin receptor: distribution in adult central nervous system and characterization of an isoform associated with a subtype of cortical neurons. *Eur. J. Neurosci.* 20(10): 2605-2616. 2004-01-01 [PMID: 15548204]

Stettler O et al. Monoclonal antibody 2G13, a new axonal growth cone marker. *J Neurocytol* 28:1035-44. 1999-01-01 [PMID: 11054903]



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 NB600-785

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97007	Mouse IgM 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/NB600-785

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

