

Product Datasheet

NCAM-1/CD56 Antibody (735) - Azide and BSA Free NBP2-52710-0.2mg

Unit Size: 0.2 mg

Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.

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NBP2-52710-0.2mg

NCAM-1/CD56 Antibody (735) - Azide and BSA Free

Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.
Clonality	Monoclonal
Clone	735
Preservative	0.02% Proclin 300
Isotype	IgG2a Kappa
Purity	Protein A purified
Buffer	PBS

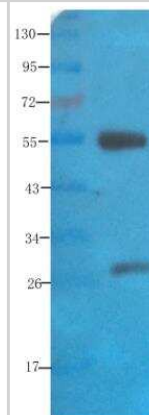
Product Description	
Host	Mouse
Gene ID	4684
Gene Symbol	NCAM1
Species	Human, Mouse, Rat
Specificity/Sensitivity	Recognises Polysialic acid (PSA), a carbohydrate polymer attached to the neural cell adhesion molecule (NCAM), which shares molecular epitopes with homopolymers of (alpha)2,8-linked sialic acid of Escherichia coli K1.
Immunogen	Homopolymers of alpha 2,8-linked sialic acid of Escherichia coli K1.

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunohistochemistry, Immunoprecipitation, CyTOF-ready
Recommended Dilutions	Western Blot, Flow Cytometry 1:10 - 1:1000, Immunohistochemistry 1:10 - 1:500, Immunoprecipitation 1:10 - 1:500, CyTOF-ready
Application Notes	This antibody is Cytof ready.

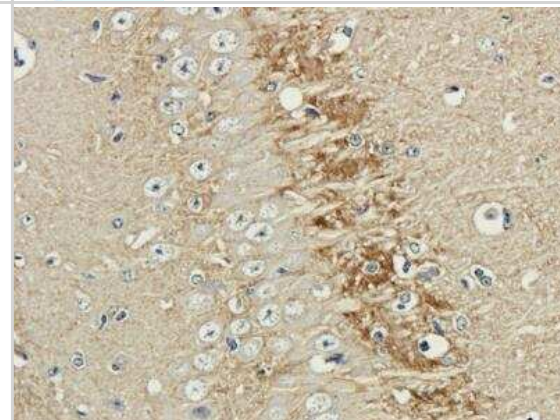


Images

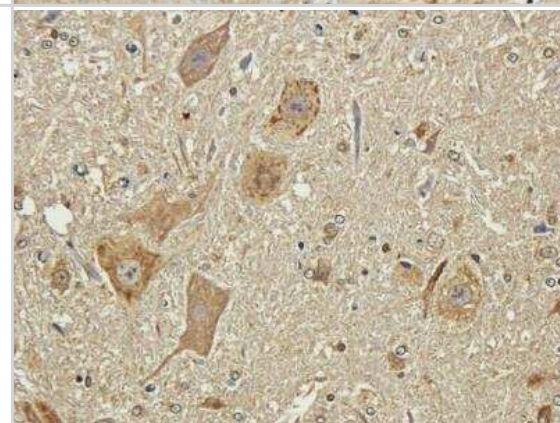
Western Blot: NCAM-1/CD56 Antibody (735) [NBP2-52710] - Western Blot using anti-polysialic acid antibody NBP2-52710. Rat brain lysate was resolved on a 10% SDS PAGE gel and blots probed with NBP2-52710 at 2 ug/ml before being detected by a secondary antibody.



Immunohistochemistry: NCAM-1/CD56 Antibody (735) [NBP2-52710] - Immunohistochemical staining of guinea pig brain using anti-polysialic acid antibody NBP2-52710. Formalin fixed guinea pig brain slices were stained with NBP2-52710 at 3 ug/ml.



Immunohistochemistry: NCAM-1/CD56 Antibody (735) [NBP2-52710] - Immunohistochemical staining of rat spinal cord using anti-polysialic acid antibody NBP2-52710. Formalin fixed rat spinal cord slices were stained with a NBP2-52710 at 3 ug/ml.



Publications

Muller-Miny L, Thiel K, Meinert S et al. Association of polysialic acid serum levels with schizophrenia spectrum and bipolar disorder-related structural brain changes and hospitalization Scientific reports 2023-02-06 [PMID: 36747002] (ELISA, Human)

Nagaraj, V, Theis, T Et al. Application of Antibodies to Neuronally Expressed Nogo-A Increases Neuronal Survival and Neurite Outgrowth. Int J Mol Sci 2020-07-30 [PMID: 32751444] (IF/IHC, Mouse)

Rivero O, Alhama-Riba J, Ku HP Et al. Haploinsufficiency of the Attention-Deficit/Hyperactivity Disorder Risk Gene St3gal3 in Mice Causes Alterations in Cognition and Expression of Genes Involved in Myelination and Sialylation Frontiers in genetics 2021-09-28 [PMID: 34650588] (WB, Mouse)



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 NBP2-52710-0.2mg

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)
NBP3-07122-50ug	Recombinant Human NCAM-1/CD56 His Protein

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.

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