

Product Datasheet

SLC8A3/NCX3 Antibody (C2C12) NB120-2869

Unit Size: 100 uL

Store at -20C. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Publications: 4

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB120-2869

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/NB120-2869

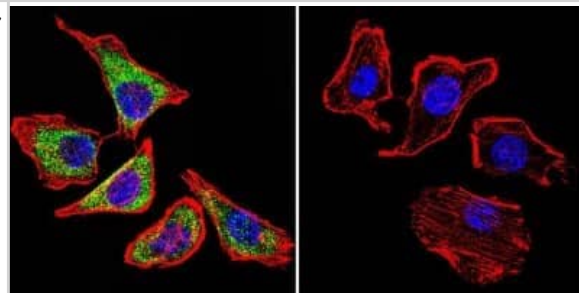


NB120-2869**SLC8A3/NCX3 Antibody (C2C12)**

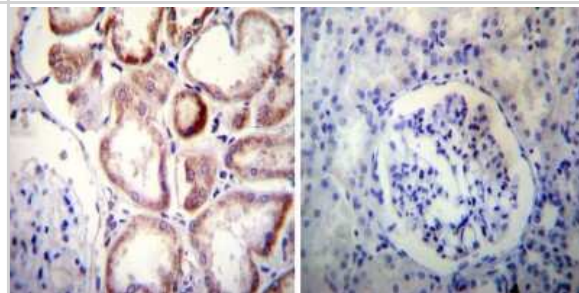
Product Information	
Unit Size	100 uL
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	C2C12
Preservative	0.05% Sodium Azide
Isotype	IgM
Purity	Affinity purified
Buffer	PBS +BSA(1mg/ml)
Product Description	
Description	Novus Biologicals Mouse SLC8A3/NCX3 Antibody (C2C12) (NB120-2869) is a monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. Anti-SLC8A3/NCX3 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	6547
Gene Symbol	SLC8A3
Species	Human, Mouse, Rat, Porcine, Bovine, Canine, Guinea Pig, Insect, Kangaroo, Rabbit
Reactivity Notes	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
Immunogen	Purified canine cardiac sodium/calcium exchanger.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 1:100, Immunohistochemistry 1:20 - 1:50, Immunocytochemistry/ Immunofluorescence 1:200, Immunoprecipitation 1:10 - 1:500, Immunohistochemistry-Paraffin 1:100, Immunohistochemistry-Frozen 1:100
Application Notes	ELISA usage was reported in the scientific literature (PMID: 7692739). WB: Detects an approx. 120 kDa protein representing the sodium / calcium exchanger from guinea pig cardiac extract. Also detects 70 kDa and 160 kDa proteins representing a proteolytic fragment and non-reduced exchanger respectively. T-tubular membrane.

Images

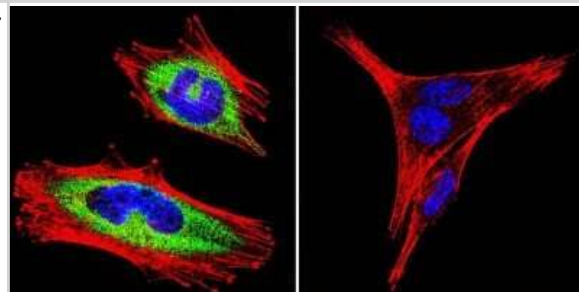
Immunocytochemistry/Immunofluorescence: Sodium-Calcium Exchanger Antibody (C2C12) [NB120-2869] - Sodium/Calcium Exchanger staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. U251 cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing Sodium/Calcium Exchanger at a dilution of 1:100 over night at 4C, washed with PBS and incubated with a DyLight-488 conjugated secondary.



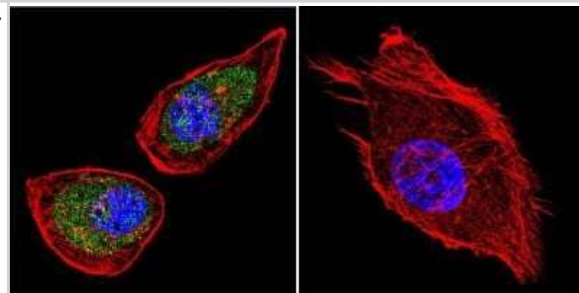
Immunohistochemistry-Paraffin: Sodium-Calcium Exchanger Antibody (C2C12) [NB120-2869] - Both normal and cancer biopsies of deparaffinized Human kidney tissues.



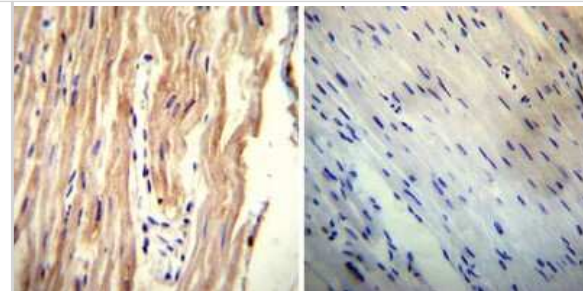
Immunocytochemistry/Immunofluorescence: Sodium-Calcium Exchanger Antibody (C2C12) [NB120-2869] - Sodium/Calcium Exchanger staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. A2058 cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing Sodium/Calcium Exchanger at a dilution of 1:100 over night at 4C, washed with PBS and incubated with a DyLight-488 conjugated secondary.



Immunocytochemistry/Immunofluorescence: Sodium-Calcium Exchanger Antibody (C2C12) [NB120-2869] - Sodium/Calcium Exchanger staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. A549 cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing Sodium/Calcium Exchanger at a dilution of 1:100 over night at 4C, washed with PBS and incubated with a DyLight-488 conjugated secondary.



Immunohistochemistry-Paraffin: Sodium-Calcium Exchanger Antibody (C2C12) [NB120-2869] - Both normal and cancer biopsies of deparaffinized Human heart tissue tissues.



Publications

Jie Yan, Lan Wang, Qian-Lu Yang, Qian-Xi Yang, Xinyi He, Yujie Dong, Zhulin Hu, Mathias W Seeliger, Kangwei Jiao, François Paquet-Durand T-type voltage-gated channels, Na⁺/Ca²⁺-exchanger, and calpain-2 promote photoreceptor cell death in inherited retinal degeneration. Cell communication and signaling : CCS 2024-02-05 [PMID: 38303059]

Yan J, Wang L, Yang Q et al. Inherited retinal degeneration: T-type voltage-gated channels, Na⁺/Ca²⁺-exchanger and calpain-2 promote photoreceptor cell death bioRxiv 2023-07-18 (IHC, Mouse)

Sui S, Tian J, Gauba E et al. Cyclophilin D regulates neuronal activity-induced filopodiogenesis by fine-tuning dendritic mitochondrial calcium dynamics J. Neurochem. 2018-06-14 [PMID: 29900530] (WB)

Porzig H, Li Z, Nicoll DA et al. Mapping of the cardiac sodium-calcium exchanger with monoclonal antibodies. Am J Physiol;265(3 Pt 1):C748-56. 1993-09-01 [PMID: 7692739] (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 NB120-2869

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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/NB120-2869

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

