

Product Datasheet

Cav1.2 Antibody NBP2-76914

Unit Size: 100 ul

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

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Updated 9/9/2025 v.20.1

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NBP2-76914

Cav1.2 Antibody

Product Information

Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH7.4), 0.2% BSA, 50% Glycerol
Target Molecular Weight	249 kDa

Product Description

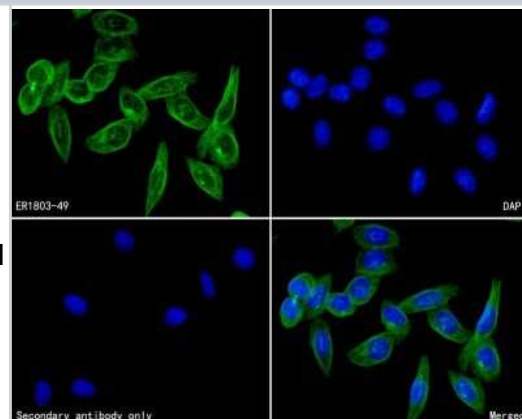
Description	Novus Biologicals Rabbit Cav1.2 Antibody (NBP2-76914) is a polyclonal antibody validated for use in IHC, Flow and ICC/IF. Anti-Cav1.2 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	775
Gene Symbol	CACNA1C
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within mouse Cav1.2 aa 802-851 / 2,139. (SwissProt: Q13936 Human; SwissProt: Q01815 Mouse; SwissProt: P22002 Rat)

Product Application Details

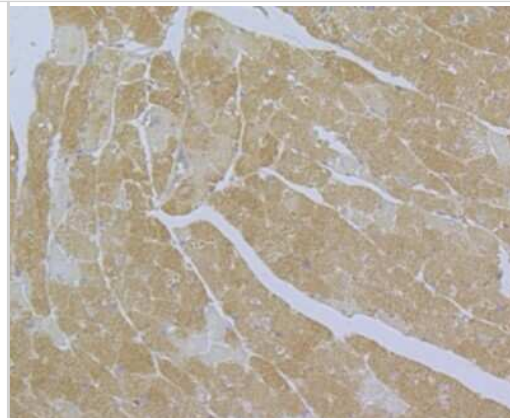
Applications	Immunohistochemistry-Paraffin, Dot Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:500-1:2000, Immunohistochemistry-Paraffin 1:50-1:200, Dot Blot 1:500-1:1000

Images

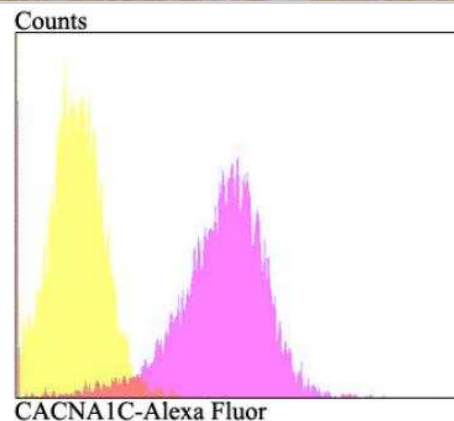
Immunocytochemistry/Immunofluorescence: Cav1.2 Antibody [NBP2-76914] - Staining of CACNA1C in SiHa cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 10% negative goat serum for 15 minutes at room temperature. Cells were probed with the primary antibody (1/200) for 1 hour at room temperature, washed with PBS. Alexa Fluor(R)488 conjugate-Goat anti-Rabbit IgG was used as the secondary antibody at 1/1,000 dilution. The nuclear counter stain is DAPI (blue).



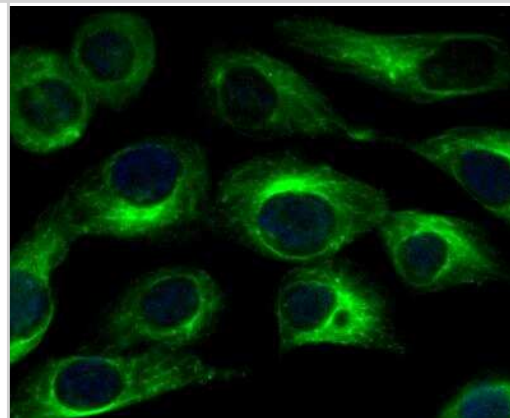
Immunohistochemistry-Paraffin: Cav1.2 Antibody [NBP2-76914] - Immunohistochemical analysis of paraffin-embedded mouse heart tissue using anti-CACNA1C antibody. Counter stained with hematoxylin.



Flow Cytometry: Cav1.2 Antibody [NBP2-76914] - Flow cytometric analysis of SKOV-3 cells with CACNA1C antibody at 1/100 dilution (fuchsia) compared with an unlabelled control (cells without incubation with primary antibody; yellow). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.



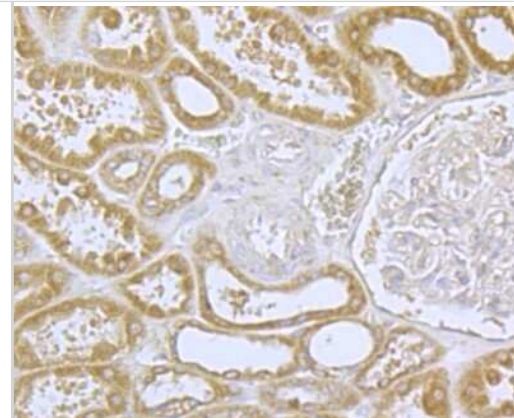
Immunocytochemistry/Immunofluorescence: Cav1.2 Antibody [NBP2-76914] - ICC staining CACNA1C in SKOV-3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



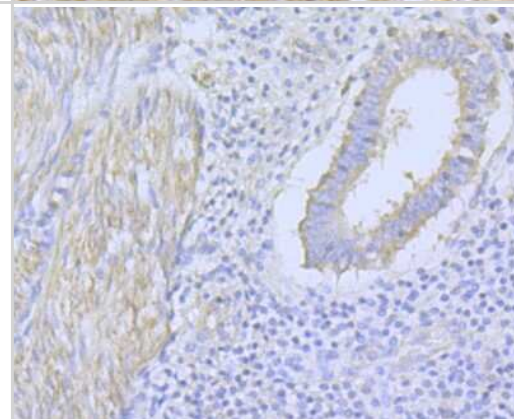
Immunohistochemistry-Paraffin: Cav1.2 Antibody [NBP2-76914] - Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-CACNA1C antibody. Counter stained with hematoxylin.



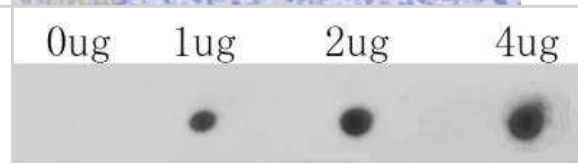
Immunohistochemistry-Paraffin: Cav1.2 Antibody [NBP2-76914] - Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-CACNA1C antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: Cav1.2 Antibody [NBP2-76914] - Immunohistochemical analysis of paraffin-embedded human uterus tissue using anti-CACNA1C antibody. Counter stained with hematoxylin.



Dot Blot: Cav1.2 Antibody [NBP2-76914] - Dot blot analysis of anti-CACNA1C on PVDF. 1ug, 2ug and 4ug of immunization peptides were given in this test. Anti-CACNA1C antibody was diluted with 1/500.



Publications

Yang R, Yin D, Yang D Et al. Xinnaokang improves cecal microbiota and lipid metabolism to target atherosclerosis Letters in applied microbiology 2021-10-01 [PMID: 34596907] (IHC-P, Mouse)



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Products Related to NBP2-76914

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
210-TA-005	TNF-alpha [Unconjugated]

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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