

Product Datasheet

Coronin-1a Antibody - BSA Free NB110-58867

Unit Size: 0.1 ml

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

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technical@novusbio.com

Publications: 4

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NB110-58867

Coronin-1a Antibody - BSA Free

Product Information	
Unit Size	0.1 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	Polyclonal
Preservative	5mM Sodium Azide
Purity	Unpurified
Buffer	Supplied as serum
Target Molecular Weight	55 kDa

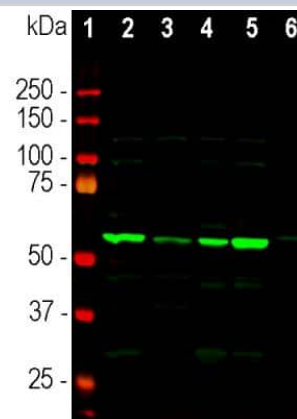
Product Description	
Description	Novus Biologicals Rabbit Coronin-1a Antibody - BSA Free (NB110-58867) is a polyclonal antibody validated for use in WB and ICC/IF. Anti-Coronin-1a Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	11151
Gene Symbol	CORO1A
Species	Human, Mouse, Rat, Porcine, Bovine
Immunogen	C-terminal peptide of human coronin 1a coupled to KLH. [UniProt# P31146]

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:10000, Immunocytochemistry/ Immunofluorescence 1:500-1:1000
Application Notes	This Coronin-1a antibody is useful for Immunocytochemistry/Immunofluorescence and Western blot.

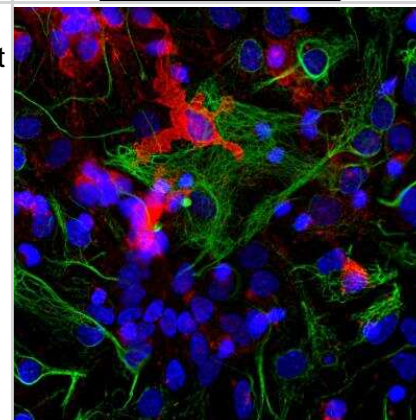


Images

Western Blot: Coronin-1a Antibody [NB110-58867] - Analysis of tissue lysates using Coronin-1a Antibody, dilution 1:5,000: [1] protein standard, [2] mouse brain, [3] rat brain, [4] cow cerebellum, [5] cow cortex, and [6] pig spinal cord. The strong single band about 55kDa corresponds to the Coronin-1a protein.



Immunocytochemistry/Immunofluorescence: Coronin-1a Antibody [NB110-58867] - Analysis of cortical neuron-glia cell culture from E20 rat stained with Coronin-1a Antibody, dilution 1:1,000 (Red), and costained with mouse mAb to GFAP, dilution 1:1,000 (Green). Hoechst staining of nuclear DNA (Blue). The Coronin-1a Antibody labels protein expressed in the cytoplasm of microglia cells, while GFAP antibody stains intermediate filaments in astrocytic cells.



Publications

Williams A, Khatkar P, Branscome H et al. The Use of CBD and Its Synthetic Analog HU308 in HIV-1-Infected Myeloid Cells Pharmaceuticals (Basel) 2023-08-12 [PMID: 37631062] (Western Blot, Human)

Sikorski K, Mehta A et al. A high-throughput pipeline for validation of antibodies. Nat Methods 2018-01-11 [PMID: 30377371] (Human)

Details:

Antibody validation based on denaturing gel electrophoresis of biotinylated cell lysates (PAGE) followed by mass spectrometry (MS) and antibody array analysis (MAP).

Tweedell R, Tao D, Dinglasan RR. The cellular and proteomic response of primary and immortalized murine Kupffer cells following immune stimulation diverges from that of monocyte-derived macrophages. Proteomics. 2014-09-30 [PMID: 25266554] (ICC/IF, WB, Rat)

Details:

Coronin-1a antibody used for WB at 1:5000 dilution on lysates of RKC1/rat Kupffer cell line exposed or not to LPS (Figure 2A). Antibody also used for ICC-IF at 1:500 dilution on primary rat Kupffer cells and RKC1 cells with or without LPS stimulation.

Stray-Pedersen A, Jouanguy E, Crequer A et al. Compound Heterozygous CORO1A Mutations in Siblings with a Mucocutaneous-Immunodeficiency Syndrome of Epidermodysplasia Verruciformis-HPV, Molluscum Contagiosum and Granulomatous Tuberculoid Leprosy. J. Clin. Immunol. 2014-07-30 [PMID: 25073507] (WB, Human)

Details:

Coronin-1a antibody used in WB for detecting CORO1A clinical phenotype/ deficiency of coronin-1A protein in study involving siblings with a mucocutaneous-immunodeficiency syndrome of spidermodysplasia verruciformis-HPV, molluscum contagiosum and granulomatous tuberculoid leprosy. Lysates of lymphoblastoid/lymphoid cell lines from P2 (affected sibling) and P3/P4 (parental carriers) were prepared in 1 % NP-40 lysis buffer/HALT protease inhibitor, blot blocked with 3% skim milk followed by primary incubation and detection with Odyssey/Licor method (Fig 6 - Coronin-1a band size 57kDa; Loading control used Myosin IIA).



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 NB110-58867

NBL1-09395	Coronin-1a Overexpression Lysate
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]

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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