Product Datasheet

ABCC9 Antibody (S319A-14) - BSA Free
NBP2-22403

Unit Size: 0.1 mg

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

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Publications: 2

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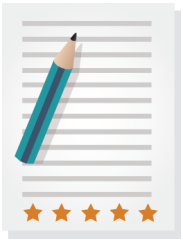
Updated 2/23/2025 v.20.1



NBP2-22403

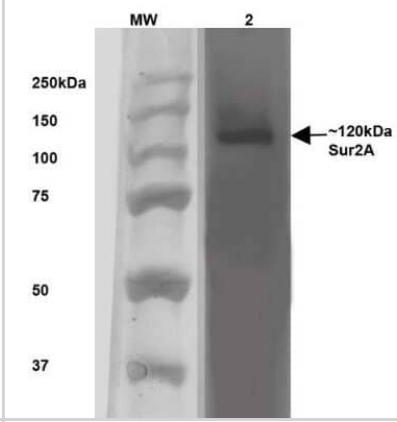
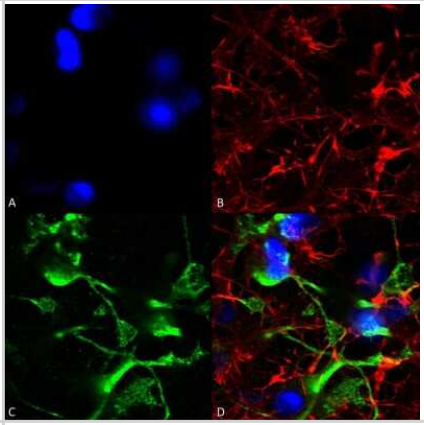
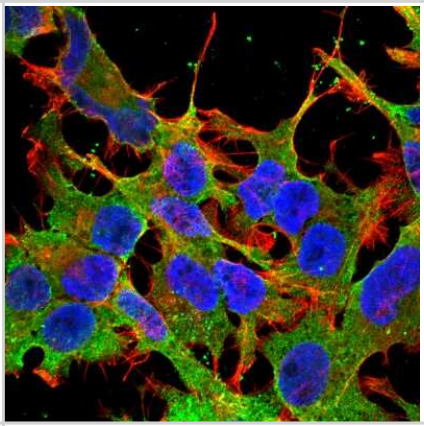
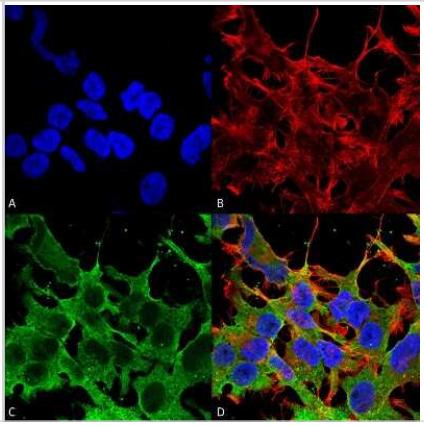
ABCC9 Antibody (S319A-14) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	S319A-14
Preservative	0.1% Sodium Azide
Isotype	IgG2a
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol

Product Description	
Host	Mouse
Gene ID	10060
Gene Symbol	ABCC9
Species	Human, Mouse, Rat
Specificity/Sensitivity	Detects approx 120kDa. Does not cross-react with SUR2B.
Immunogen	Fusion protein amino acids 1505-1546 (SSIVDAGLVLVFSEGILVECDTGPNLLQHKNGLFSTLVMTNK, cytoplasmic C-terminus) of mouse SUR2A

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence
Application Notes	1 ug/ml of SUR2A Antibody was sufficient for detection of SUR2A in 20 ug of mouse brain membrane lysate and assayed by colorimetric immunoblot analysis using goat anti-mouse IgG:HRP as the secondary Antibody.

Images

Western Blot: ABCC9 Antibody (S319A-14) [NBP2-22403] - Western Blot analysis of Rat Brain Membrane showing detection of ~120 kDa ABCC9 protein using Mouse Anti-ABCC9 Monoclonal Antibody, Clone S319A-14 (NBP2-22403). Lane 1: MW Ladder. Lane 2: Rat Brain Membrane (10 ug). . Load: 10 ug. Block: 5% milk. Primary Antibody: Mouse Anti-ABCC9 Monoclonal Antibody (NBP2-22403) at 1:1000 for 1 hour at RT. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:200 for 1 hour at RT. Color Development: TMB solution for 10 min at RT. Predicted/Observed Size: ~120 kDa.	
Immunocytochemistry/Immunofluorescence: ABCC9 Antibody (S319A-14) [NBP2-22403] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-ABCC9 Monoclonal Antibody, Clone S319A-14 (NBP2-22403). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-ABCC9 Monoclonal Antibody (NBP2-22403) at 1:200 for overnight at 4C with slow rocking. Secondary Antibody: AlexaFluor 488 at 1:1000 for 1 hour at RT. Counterstain: Phalloidin-iFluor 647 (red) F-Actin stain; Hoechst (blue) nuclear stain at 1:800, 1.6mM for 20 min at RT. (A) Hoechst (blue) nuclear stain. (B) Phalloidin-iFluor 647 (red) F-Actin stain. (C) ABCC9 Antibody (D) Composite.	
Immunocytochemistry/Immunofluorescence: ABCC9 Antibody (S319A-14) [NBP2-22403] - Tissue: Neuroblastoma cell line SK-N-BE. Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-SUR2A Monoclonal Antibody at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60min RT, 5min RT. Localization: Membrane. Magnification: 60X.	
Immunocytochemistry/Immunofluorescence: ABCC9 Antibody (S319A-14) [NBP2-22403] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-ABCC9 Monoclonal Antibody, Clone S319A-14 (NBP2-22403). Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-ABCC9 Monoclonal Antibody (NBP2-22403) at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60min RT, 5min RT. Localization: Membrane. Magnification: 60X. (A) DAPI (blue) nuclear stain. (B) Phalloidin Texas Red F-Actin stain. (C) ABCC9 Antibody. (D) Composite.	

Publications

Strutynskyi RB, Strutynska NA, Piven OO et al. Upregulation of ATP-Sensitive Potassium Channels as the Potential Mechanism of Cardioprotection and Vasorelaxation Under the Action of Pyridoxal-5-Phosphate in Old Rats Journal of cardiovascular pharmacology and therapeutics 2023-11-10 [PMID: 37946524] (WB, Rat)

Details:
1:1000 WB dilution

Wang X, Fitts RH. Effects of Regular Exercise on Ventricular Myocyte Biomechanics and KATP Channel Function Am. J. Physiol. Heart Circ. Physiol. 2018-08-03 [PMID: 30074836] (WB, Rat)

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 NBP2-22403

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)
NBP3-27491	Human ABCC9 ELISA Kit (Colorimetric)

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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