

Product Datasheet

KCC2/SLC12A5 Antibody (S1-12) - BSA Free NBP2-59337

Unit Size: 100 ug

Store at -20C.

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Publications: 2

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NBP2-59337

KCC2/SLC12A5 Antibody (S1-12) - BSA Free

Product Information	
Unit Size	100 ug
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C.
Clonality	Monoclonal
Clone	S1-12
Preservative	0.09% Sodium Azide
Isotype	IgG2a
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol

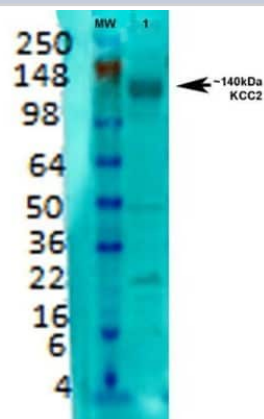
Product Description	
Description	Novus Biologicals Mouse KCC2/SLC12A5 Antibody (S1-12) - BSA Free (NBP2-59337) is a monoclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-KCC2/SLC12A5 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	57468
Gene Symbol	SLC12A5
Species	Human, Mouse, Rat
Specificity/Sensitivity	Detects 140kDa.
Immunogen	Fusion protein amino acids 932-1043 corresponding to rat KCC2

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:300, Immunocytochemistry/ Immunofluorescence 1:100, Immunoprecipitation

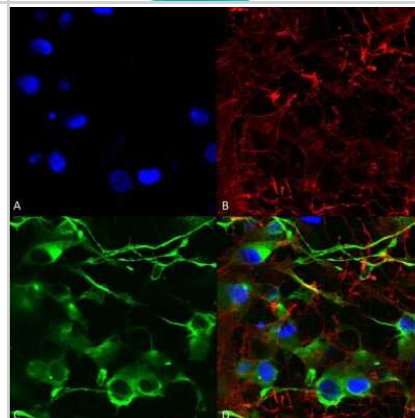


Images

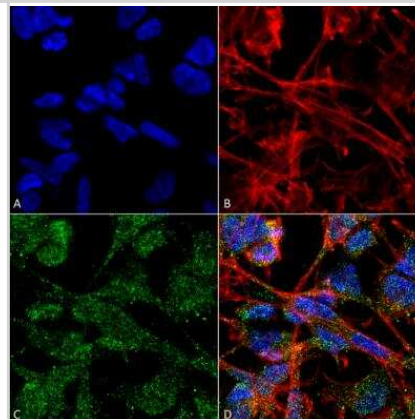
Western Blot: KCC2/SLC12A5 Antibody (S1-12) [NBP2-59337] - Western Blot analysis of Rat brain membrane lysate showing detection of KCC2/SLC12A5 protein using Mouse Anti-KCC2/SLC12A5 Monoclonal Antibody, Clone S1-12 (NBP2-59337). Primary Antibody: Mouse Anti-KCC2/SLC12A5 Monoclonal Antibody (NBP2-59337) at 1:1000.



Immunocytochemistry/Immunofluorescence: KCC2/SLC12A5 Antibody (S1-12) [NBP2-59337] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-KCC2/SLC12A5 Monoclonal Antibody, Clone S1-12 (NBP2-59337). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-KCC2/SLC12A5 Monoclonal Antibody (NBP2-59337) 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) KCC2/SLC12A5 Antibody (D) Composite.



Immunocytochemistry/Immunofluorescence: KCC2/SLC12A5 Antibody (S1-12) [NBP2-59337] - Tissue: SK-N-BE Cells (Human Neuroblastoma cells). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-KCC2 Monoclonal Antibody at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:200 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60 min at RT, 5 min at RT. Localization: Membrane. Magnification: 60X.



Publications

Francis J Prael Iii, Kwangho Kim, Yu Du, Brittany D Spitznagel, Gary A Sulikowski, Eric Delpire, C David Weaver
Discovery of Small Molecule KCC2 Potentiators Which Attenuate In Vitro Seizure-Like Activity in Cultured Neurons.
Frontiers in cell and developmental biology 2022-04-04 [PMID: 35813195] (Immunohistochemistry, Rat)

Luo Y, Zhang D et al. Dexamethasone protects against arsanilic acid induced rat vestibular dysfunction through the BDNF and JNK 1/2 signaling pathways. Mol Med Rep 2019-01-03 [PMID: 30628712] (IF/IHC, Rat)



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Products Related to NBP2-59337

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)
NBP2-49674PEP	KCC2/SLC12A5 Recombinant Protein Antigen

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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