

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-KCC2/SLC12A5-Specific



Numéro de catalogue: 19565-1-AP

5 Publications

Informations de base

Numéro de catalogue:

19565-1-AP

Taille:

150ul, Concentration: 550 µg/ml by Nanodrop and 293 µg/ml by Bradford method using BSA as the standard;

Hôte:

Lapin

Isotype:

IgG

Numéro d'acquisition GenBank:

NM_020708

Identification du gène (NCBI):

57468

Nom complet:

solute carrier family 12 (potassium-chloride transporter), member 5

MW calculé

126 kDa

MW observés:

130-150 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:500-1:2000

IHC 1:20-1:200

IF 1:50-1:500

Applications

Applications testées:

IF, IHC, WB, ELISA

Demandes citées:

IF, IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, rat, souris

Contrôles positifs:

WB : tissu cérébral humain, tissu cérébral de rat, tissu cérébral de souris

IHC : tissu cérébral humain, tissu cérébral de rat, tissu cérébral de souris

IF : tissu de cervelet de souris,

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Informations générales

KCC2, encoded by SLC12A5, is a neuron-specific K⁺-Cl⁻ cotransporter that is essential for Cl⁻ homeostasis and inhibitory synaptic transmission in brain. KCC2 is expressed at high levels in neurons throughout the nervous system. KCC2 deletion caused animal death. Alterations of KCC2 have been linked to neuropathic pain, temporal lobe epilepsy, and other diseases. This antibody can detect 130-150 kDa monomer and ~250 kDa dimer of KCC2 in brain lysate. (PMID: 23401525)

Publications notables

Autrice	Pubmed ID	Journal	Application
Aaron J Barbour	34445881	ASN Neuro	WB IF
Shuo Zhao	35106976	Brain Behav	WB
Aaron J Barbour	32344154	Neurobiol Dis	WB,IF

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

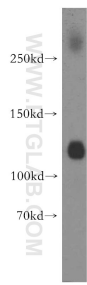
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

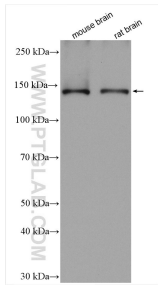
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

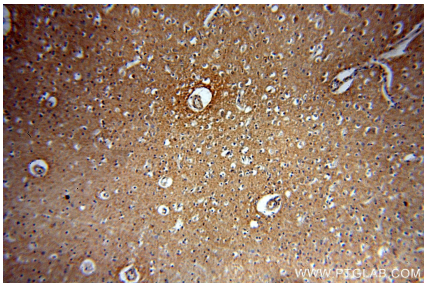
Données de validation sélectionnées



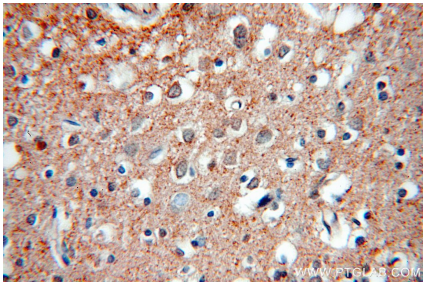
human brain tissue were subjected to SDS PAGE followed by western blot with 19565-1-AP (KCC2/SLC12A5-Specific antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



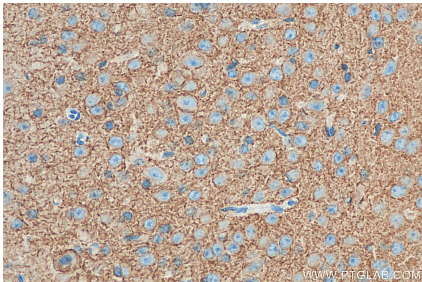
Various lysates were subjected to SDS PAGE followed by western blot with 19565-1-AP (KCC2/SLC12A5-Specific antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain using 19565-1-AP (KCC2/SLC12A5-Specific antibody) at dilution of 1:100 (under 10x lens).



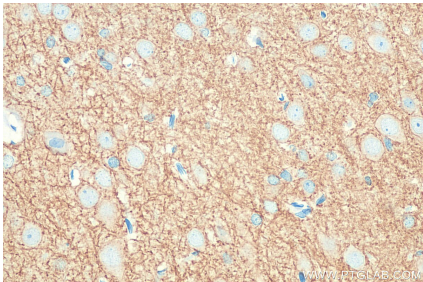
Immunohistochemical analysis of paraffin-embedded human brain using 19565-1-AP (KCC2/SLC12A5-Specific antibody) at dilution of 1:100 (under 40x lens).



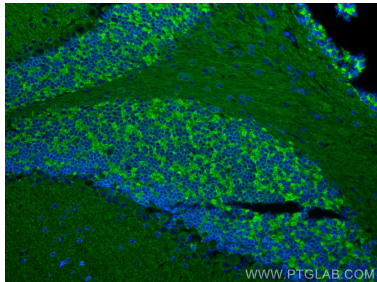
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 19565-1-AP (KCC2/SLC12A5-Specific antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



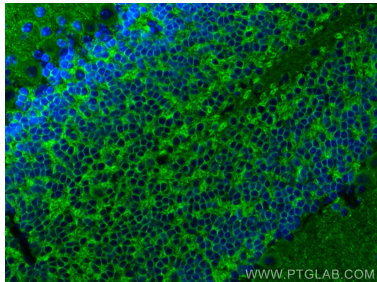
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 19565-1-AP (KCC2/SLC12A5-Specific antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 19565-1-AP (KCC2/SLC12A5-Specific antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse cerebellum tissue using KCC2/SLC12A5-Specific antibody (19565-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse cerebellum tissue using KCC2/SLC12A5-Specific antibody (19565-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 19565-1-AP (KCC2/SLC12A5-Specific antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).