

Nur für Forschungszwecke

KCC2/SLC12A5-Specific Polyklonaler Antikörper



Katalog-Nr.:19565-1-AP

4 Publikationen

Allgemeine Informationen

Katalog-Nr.:
19565-1-AP

Größe:
150ul, Konzentration: 550 µg/ml von
Nanodrop und 293 µg/ml durch die
Bradford-Methode mit BSA als
Standard;

Wirt:
Kaninchen

Isotyp:
IgG

GenBank-Zugangsnummer:
NM_020708

GeneID (NCBI):
57468

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

Berechnete Masse:
126 kDa

Beobachtete Masse:
130-150 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:500-1:2000

IHC 1:20-1:200

IF 1:50-1:500

Anwendungen

Geprüfte Anwendungen:

IF, IHC, WB, ELISA

In Publikationen genannte Anwendungen:

IF, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Ratte

**Hinweis-IHC: Antigendemaskierung mit TE-
Puffer pH 9,0 empfohlen. (*) Wahlweise
kann die Antigendemaskierung auch mit
Citratpuffer pH 6,0 erfolgen.**

Positivkontrollen:

WB : humanes Hirngewebe, Maushirngewebe,
Rattenhirngewebe

IHC : humanes Hirngewebe, Maushirngewebe,
Rattenhirngewebe

IF : Maus-Cerebellum-Gewebe,

Hintergrundinformationen

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)

Bemerkenswerte Veröffentlichungen

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

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

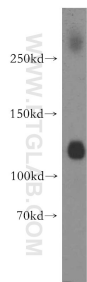
For technical support and original validation data for this product please contact:

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

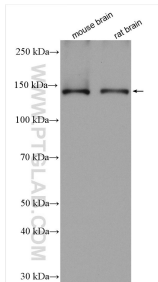
E: proteintech@ptglab.com
W: ptglab.com

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

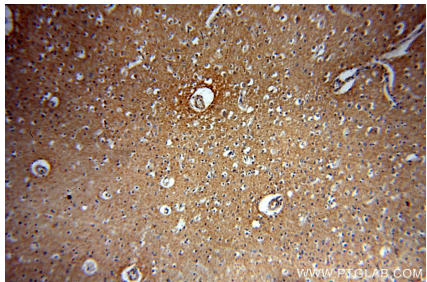
Ausgewählte Validierungsdaten



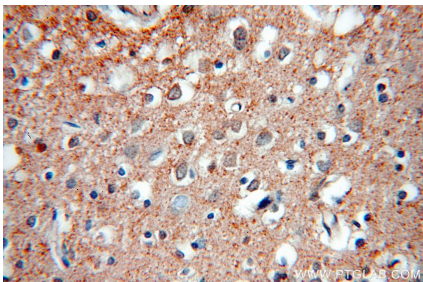
human brain tissue were subjected to SDS PAGE followed by western blot with 19565-1-AP (KCC2/SLC12A5-Specific antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



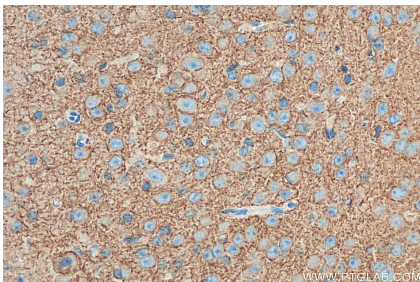
Various lysates were subjected to SDS PAGE followed by western blot with 19565-1-AP (KCC2/SLC12A5-Specific antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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



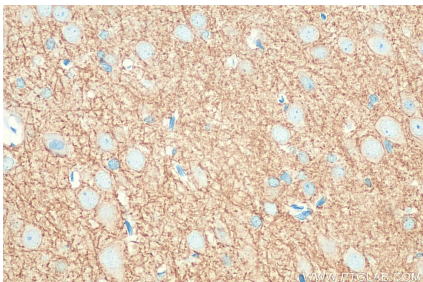
Immunohistochemical analysis of paraffin-embedded human brain using 19565-1-AP (KCC2/SLC12A5-Specific antibody) at dilution of 1:100 (under 40x lens).



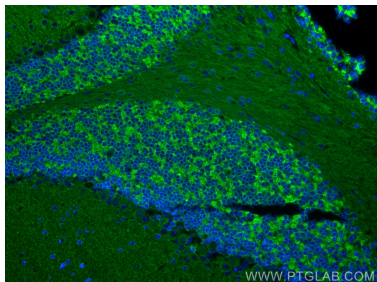
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 19565-1-AP (KCC2/SLC12A5-Specific antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



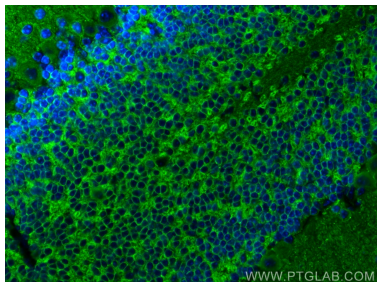
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 19565-1-AP (KCC2/SLC12A5-Specific antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).