

For Research Use Only

# CoraLite® Plus 488-conjugated KCC2/SLC12A5 Polyclonal antibody



Catalog Number: **CL488-28724**

## Basic Information

|   |  |   |
|---|--|---|
| <b>Catalog Number:</b><br>CL488-28724                             | <b>GenBank Accession Number:</b><br>BC132670   | <b>Purification Method:</b><br>Antigen affinity purification          |
| <b>Size:</b><br>100ul , Concentration: 1000 µg/ml by<br>Nanodrop; | <b>GeneID (NCBI):</b><br>57468   | <b>Recommended Dilutions:</b><br>IF 1:50-1:500                        |
| <b>Source:</b><br>Rabbit  | <b>Full Name:</b><br>solute carrier family 12 (potassium-<br>chloride transporter), member 5 | <b>Excitation/Emission maxima<br/>wavelengths:</b><br>493 nm / 522 nm |
| <b>Isotype:</b><br>IgG  | <b>Observed MW:</b><br>130-150 kDa   |   |
| <b>Immunogen Catalog Number:</b><br>AG30203                       |  |   |

## Applications

|  |  |
|--|--|
| <b>Tested Applications:</b><br>IF                | <b>Positive Controls:</b><br>IF : mouse cerebellum tissue, |
| <b>Species Specificity:</b><br>Human, Mouse, Rat |  |

## Background Information

KCC2, encoded by SLC12A5, is a neuron-specific K<sup>+</sup>-Cl<sup>-</sup> cotransporter that is essential for Cl<sup>-</sup> 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.

## Storage

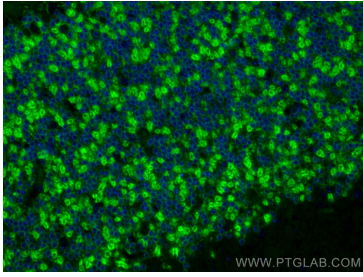
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 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](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse cerebellum tissue using CoraLite® Plus 488 KCC2/SLC12A5 antibody (CL488-28724) at dilution of 1:200.