

For Research Use Only

KCC4/SLC12A7 Polyclonal antibody

Catalog Number: 26590-1-AP



Basic Information

Catalog Number: 26590-1-AP	GenBank Accession Number: BC098390	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 900 ug/ml by Nanodrop;	GeneID (NCBI): 10723	Recommended Dilutions: WB 1:2000-1:10000 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: Q9Y666	
Isotype: IgG	Full Name: solute carrier family 12 (potassium/chloride transporters), member 7	
Immunogen Catalog Number: AG24954	Observed MW: 119 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : BGC-823 cells, NCI-H1299 cells, Raji cells, SH-SY5Y cells IF/ICC : A431 cells,

Background Information

KCC4, also named as Solute carrier family 12 member 7 (SLC12A7), is a 1083 amino-acid protein, which belongs to the SLC12A transporter family. As a multi-pass membrane protein, the molecular weight of KCC4 is 119 kDa. KCC4 mediates electroneutral potassium-chloride cotransport when activated by cell swelling. Moreover, KCC4 may mediate K⁺ uptake into Deiters' cells in the cochlea and contribute to K⁺ recycling in the inner ear. KCC4 is important for the survival of cochlear outer and inner hair cells and the maintenance of the organ of Corti (Uniprot, GeneID:10723).

Storage

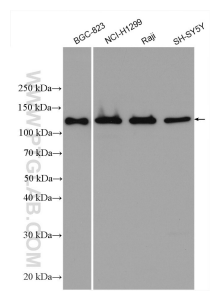
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

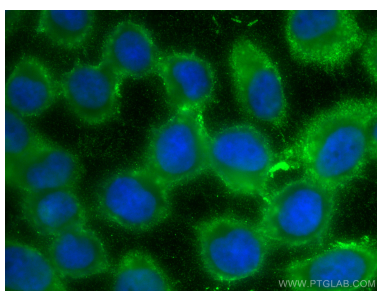
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 26590-1-AP (KCC4/SLC12A7 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using KCC4/SLC12A7 antibody (26590-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).