

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 µg/ml by Nanodrop;	GeneID (NCBI): 10723	Recommended Dilutions: WB 1:2000-1:10000
Source: Rabbit	Full Name: solute carrier family 12 (potassium/chloride transporters), member 7	
Isotype: IgG	Observed MW: 119 kDa	
Immunogen Catalog Number: AG24954		

Applications

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

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

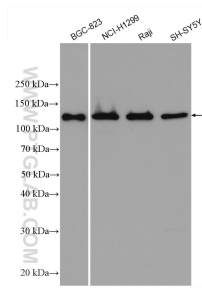
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
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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.