

KCC4/SLC12A7 Polyclonal antibody

Catalog Number: 26590-1-AP

Basic Information

Catalog Number:

26590-1-AP

Size:

900 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG24954

GenBank Accession Number:

BC098390

GeneID (NCBI):

10723

UNIPROT ID:

Q9Y666

Full Name:solute carrier family 12
(potassium/chloride transporters),
member 7**Observed MW:**

119 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

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:

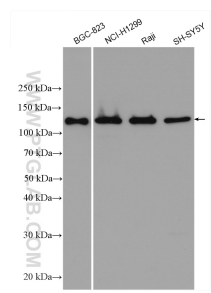
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

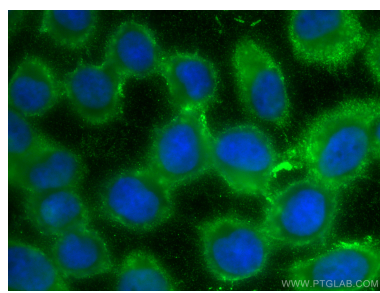
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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 AffiniPure Goat Anti-Rabbit IgG(H+L).