For Research Use Only

CoraLite® Plus 488-conjugated NKCC1,SLC12A2 Polyclonal antibody

Catalog Number:CL488-28055

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL488-28055

Size:
1000 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG27895

GenBank Accession Number:
BC033003

GeneID (NCBI):
6558

UNIPROT ID:
P55011

Full Name:
solute carrier family 12 (sodium/potassium/chloride transporters), member 2

Calculated MW:
131 kDa

Observed MW:
160 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF/ICC

Species Specificity:
human

Positive Controls:

IF/ICC : U2OS cells,

Background Information

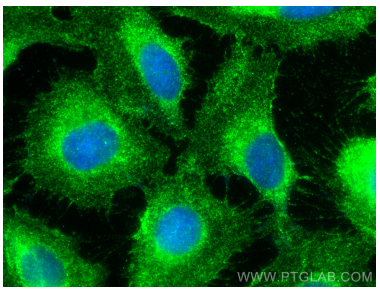
The Na-K-Cl cotransporter sodium-potassium-chloride cotransporter 1 (NKCC1), encoded by the SLC12A2 gene, is an intensively studied member of the CCC family. NKCC1 is a membrane protein and plays fundamental roles in regulating trans-epithelial ion movement, cell volume, chloride homeostasis and neuronal excitability. NKCC1 assembles into a dimer, with the first ten transmembrane (TM) helices harboring the transport core and TM11-TM12 helices lining the dimer interface(PMID: 32081947). The observed molecular weight of NKCC1 is about 140 kDa, glycosylated NKCC1 is detected a band at 170 kDa (PMID: 22723696).

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

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed U2OS cells using CoraLite® Plus 488 NKCC1,SLC12A2 antibody (CL488-28055) at dilution of 1:200.