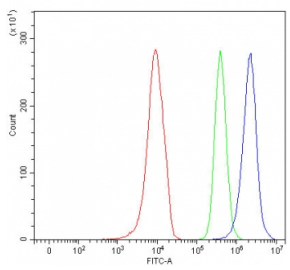
SLC17A4 Antibody (RQ7696)

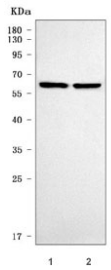
Catalog No.	Formulation	Size
RQ7696	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9Y2C5
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This SLC17A4 antibody is available for research use only.



Flow cytometry testing of human 293T cells with SLC17A4 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SLC17A4 antibody.



Western blot testing of human 1) 293T and 2) HepG2 cell lysate with SLC17A4 antibody. Predicted molecular weight ~54 kDa but may be observed at higher molecular weights due to glycosylation.

Description

Phosphate homeostasis is maintained by regulating intake, intestinal absorption, bone deposition and resorption, and renal excretion of phosphate. The central molecule in the control of phosphate excretion from the kidney is the sodium/phosphate cotransporter NPT1 (SLC17A1; MIM 182308), which is located in the renal proximal tubule. NPT1 uses the transmembrane electrochemical potential gradient of sodium to transport phosphate across the cell membrane. SLC17A4 is a similar sodium/phosphate cotransporter in the intestinal mucosa that plays an important role in the absorption of phosphate from the intestine.

Application Notes

Optimal dilution of the SLC17A4 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids M1-L497) was used as the immunogen for the SLC17A4 antibody.

Storage

After reconstitution, the SLC17A4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.