
SLC20A2 Rabbit pAb

Catalog Number: bs-8610R

Target Protein: SLC20A2

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: ICC/IF (1:100-500), ELISA (1:5000-10000)

Reactivity: Mouse (predicted:Human, Rat, Rabbit, Pig, Sheep, Cow, Chicken, Horse)

Predicted MW: 70 kDa

Subcellular: Cell membrane

Locations:

Entrez Gene: 6575

Swiss Prot: Q08357

Source: KLH conjugated synthetic peptide derived from human SLC20A2/PIT2: 51-150/652.

Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The SLC20 family transport proteins were originally identified as retroviral receptors Glvr-1 and Ram-1, but are now designated sodium-dependent phosphate transporters 1 and 2 (PiT1 and PiT2). The PiT proteins function as sodium-phosphate cotransporters and are widely expressed, with high expression in bone, kidney and intestine. Both PiT1 and PiT2 are expressed on polarized epithelial cell membranes where they play a role in cellular phosphate homeostasis. PiT2 is a human receptor for amphotropic murine leukemia virus (A-MuLV). A-MuLV infects a variety of mammalian cell lines, including humans, making it a useful tool in gene transfer technology and as a vector for gene therapy. Retroviral vector systems are used in gene therapy that are designed to infect cells expressing PiT1 or PiT2.