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SLC20A1 Rabbit pAb

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Catalog # AP57669

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8WUM9
Predicted	Rat, Pig, Human, Mouse, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	73700
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SLC20A1
Epitope Specificity	401-500/679
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene is a sodium-phosphate symporter that absorbs phosphate from interstitial fluid for use in cellular functions such as metabolism, signal transduction, and nucleic acid and lipid synthesis. The encoded protein is also a retroviral receptor, causing human cells to be susceptible to infection by gibbon ape leukemia virus, simian sarcoma-associated virus, feline leukemia virus subgroup B, and 10A1 murine leukemia virus.[provided by RefSeq, Mar 2011]

Additional Information

Gene ID	6574
Other Names	Sodium-dependent phosphate transporter 1, Gibbon ape leukemia virus receptor 1, GLVR-1, Leukemia virus receptor 1 homolog, Phosphate transporter 1, PiT-1, Solute carrier family 20 member 1, SLC20A1, GLVR1, PIT1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SLC20A1
Synonyms	GLVR1, PIT1
Function	Sodium-phosphate symporter which preferentially transports the monovalent form of phosphate with a stoichiometry of two sodium ions per phosphate ion (PubMed:11009570, PubMed:16790504, PubMed:17494632, PubMed:19726692, PubMed:7929240, PubMed:8041748). May play a role in extracellular matrix and cartilage calcification as well as in vascular calcification (PubMed:11009570). Essential for cell proliferation but this function is independent of its phosphate transporter activity (PubMed:19726692).
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Ubiquitously expressed.

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.