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SLC20A2 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12000

Product Information

Application	WB
Primary Accession	Q08357
Other Accession	NM_006749, NP_006740
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Horse, Bovine
Predicted	Mouse, Rabbit, Chicken, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	70392

Additional Information

Gene ID	6575
Alias Symbol	GLVR2, Glvr-2, MLVAR, PIT-2, Ram1, pit2, hPit2
Other Names	Sodium-dependent phosphate transporter 2, Gibbon ape leukemia virus receptor 2, GLVR-2, Phosphate transporter 2, PiT-2, Pit2, hPit2, Solute carrier family 20 member 2, SLC20A2, GLVR2, PIT2
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-SLC20A2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	SLC20A2 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

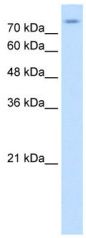
Name	SLC20A2
Synonyms	GLVR2, PIT2
Function	Sodium-phosphate symporter which preferentially transports the monovalent form of phosphate with a stoichiometry of two sodium ions per phosphate ion (PubMed:12205090, PubMed:15955065, PubMed:16790504, PubMed:17494632, PubMed:22327515, PubMed:28722801, PubMed:30704756). Plays a critical role in the determination of bone quality and strength by providing phosphate for bone mineralization (By similarity). Required to maintain normal cerebrospinal fluid phosphate levels (By

	similarity). Mediates phosphate-induced calcification of vascular smooth muscle cells (VCMCs) and can functionally compensate for loss of SLC20A1 in VCMCs (By similarity).
Cellular Location	Cell membrane; Multi-pass membrane protein. Apical cell membrane {ECO:0000250|UniProtKB:Q63488}; Multi-pass membrane protein
Tissue Location	Ubiquitously expressed.

References

Bottger,P. (2005) FEBS J. 272 (12), 3060-3074Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

Images



WB Suggested Anti-SLC20A2 Antibody Titration: 0.2-1 µg/ml
Positive Control: HepG2 cell lysate

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