

Anti-S20A1 antibody



Description	Unconjugated Rabbit polyclonal to S20A1
Model	STJ191454
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Gene ID	6574
Gene Symbol	SLC20A1
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	S20A1 Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Ubiquitously expressed.
Purification	S20A1 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	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
Molecular Weight	74 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG

Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:10946OMIM:137570
Alternative 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
Function	Sodium-phosphate symporter which plays a fundamental housekeeping role in phosphate transport, such as absorbing phosphate from interstitial fluid for normal cellular functions such as cellular metabolism, signal transduction, and nucleic acid and lipid synthesis. May play a role in extracellular matrix and cartilage calcification as well as in vascular calcification. May function as a retroviral receptor as it confers human cells susceptibility to infection to Gibbon Ape Leukemia Virus (GaLV), Simian sarcoma-associated virus (SSAV) and Feline leukemia virus subgroup B (FeLV-B) as well as 10A1 murine leukemia virus (10A1 MLV).
Sequence and Domain Family	Region A confers human cells susceptibility to infection by Gibbon Ape Leukemia Virus (GaLV) and Feline leukemia virus subgroup B (FeLV-B). Substitution of Human SLC20A1 region A by region A of murine SLC20A1 prevents viral infection.
Cellular Localization	Membrane. Multi-pass membrane protein.