



## Rabbit Anti-SLC20A1 antibody

SL19804R

<b>Product Name:</b>	SLC20A1
<b>Chinese Name:</b>	溶质载体家族蛋白20成员A1抗体
<b>Alias:</b>	DKFZp686J2397; FLJ41426; Gibbon ape leukemia virus receptor 1; GLVR 1; GLVR-1; GLVR1; Leukemia virus receptor 1 homolog; Phosphate transporter 1; PIT 1; PiT-1; PIT1; S20A1_HUMAN; Slc20a1; Sodium dependent phosphate transporter 1; Sodium-dependent phosphate transporter 1; Solute carrier family 20 (phosphate transporter) member 1; Solute carrier family 20 member 1.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	74kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human SLC20A1:401-500/679<Cytoplasmic>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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]

**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).

**Subcellular Location:**

Membrane.

**Tissue Specificity:**

Ubiquitously expressed.

**Similarity:**

Belongs to the inorganic phosphate transporter (PiT) (TC 2.A.20) family.

**SWISS:**

Q8WUM9

**Gene ID:**

6574

**Database links:**

[Entrez Gene: 493789](#) Cat

[Entrez Gene: 514255](#) Cow

[Entrez Gene: 6574](#) Human

[Entrez Gene: 100173250](#) Orangutan

[Entrez Gene: 81826](#) Rat

[Omim: 137570](#) Human

[SwissProt: O97596](#) Cat

[SwissProt: Q8WUM9](#) Human

[SwissProt: Q5R9L5](#) Orangutan

[SwissProt: Q9JJP0](#) Rat

[Unigene: 187946](#) Human

[Unigene: 732750](#) Human

[Unigene: 162702](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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