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Rabbit Anti-SLC34A2 antibody

SL0962R

Product Name:	SLC34A2
Chinese Name:	磷酸钠协同Transporter抗体
Alias:	NaPi-2b; Sodium-dependent phosphate transport protein 2B; Sodium/phosphatecotransporter 2B; Na(+)/Pi cotransporter 2B; Sodium-phosphatetransport protein 2B; Na(+)-dependent phosphate cotransporter 2B; Solute carrier family 34 member 2; NPT2B_MOUSE.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-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.
Molecular weight:	77kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from mouse SLC34A2:265-350/697<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	Na+/Pi-cotransporterThis is a family of mainly mammalian type II renal Na+/Pi-cotransporters with other related sequences from lower eukaryotes and bacteria some of which are also Na+/Pi-cotransporters. In the kidney the type II renal Na+/Pi-

cotransporters protein allows reabsorption of filtered Pi in the proximal tubule.

Function:
May be involved in actively transporting phosphate into cells via Na(+) cotransport. It may be the main phosphate transport protein in the intestinal brush border membrane. May have a role in the synthesis of surfactant in lungs' alveoli.

Subcellular Location:
Membrane; Multi-pass membrane protein.

Tissue Specificity:
Highly abundant in the ileum of small intestine, whereas it is almost absent in the duodenum and in the jejunum.

Similarity:
Belongs to the SLC34A transporter family.

SWISS:
Q9DBP0

Gene ID:
20531

Database links:

Entrez Gene: 10568Human

Entrez Gene: 20531 Mouse

Omim: 604217Human

SwissProt: O95436Human

Unigene: 479372Human

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

SLC34A2/NaPi-2b是磷酸钠协同Transporter的基因，表达在动物多种组织中，以肺组织表达最高。该基因主要参与无机磷代谢，与肺泡微石症、睾丸微石症等多种代谢性疾病发病相关。