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SLC34A3 Rabbit pAb

Catalog # AP99005

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q80SU6
Other Accession	Q80SU6
Predicted	Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	63939
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse SLC34A3
Epitope Specificity	221-320/601
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.
SIMILARITY	Belongs to the SLC34A transporter family.
DISEASE	Hereditary hypophosphatemic rickets with hypercalciuria.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of SLC34A transporter family of proteins, and is expressed primarily in the kidney. It is involved in transporting phosphate into cells via sodium cotransport in the renal brush border membrane, and contributes to the maintenance of inorganic phosphate concentration in the kidney. Mutations in this gene are associated with hereditary hypophosphatemic rickets with hypercalciuria. Alternatively spliced transcript variants varying in the 5' UTR have been found for this gene.[provided by RefSeq, Apr 2010]

Additional Information

Gene ID	142681
Other Names	HHRH; NPT2C; NPTIIc; Npt2c-v1; naPi-2c; NPT2C_HUMAN; SLC34A3; Sodium-phosphate transport protein 2C; Na(+)-dependent phosphate cotransporter 2C; Sodium/inorganic phosphate cotransporter IIC; Sodium/phosphate cotransporter 2C (Na(+)/Pi cotransporter 2C | NaPi-2c); Solute carrier family 34 member 3; NPT2C_MOUSE; NPT2C_RAT; solute carrier family 34 (sodium phosphate), member 3; solute carrier family 34 (type II sodium/phosphate cotransporter), member 3; Sodium-dependent phosphate transport protein 2C
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	Slc34a3
Synonyms	Npt2c
Function	Involved in actively transporting phosphate into cells via Na(+) cotransport in the renal brush border membrane (PubMed:12690469, PubMed:16113079). The cotransport has a Na(+):Pi stoichiometry of 2:1 and is electroneutral (PubMed:16113079).
Cellular Location	Apical cell membrane; Multi-pass membrane protein. Note=Localized at the brush border membrane in the kidney.
Tissue Location	Expressed only in the kidney.

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