



NPT2A Polyclonal Antibody

Catalog No	YP-Ab-06218
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB;ELISA
Gene Name	SLC34A1 NPT2 SLC17A2
Immunogen	Synthesized peptide derived from human protein . at AA range: 260-340
Specificity	NPT2A Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Na(+)/Pi cotransporter 2A;NaPi 2a;NAPI 3;napi2a;NaPi-IIa;SLC11;SLC17A2; SLC34A1;NPT2A;SLC34A1 NPT2 SLC17A2;Sodium-dependent phosphate transport protein 2A (Sodium-phosphate transport protein 2A) (Na(+)-dependent phosphate cotransporter 2A) (NaPi-3) (Sodium/phosphate cotransporter 2A) (Na(+)/Pi cotransporte
Observed Band	70kD
Calculated Molecular Weight	7-75 kDa, 3-35 kDa
Cell Pathway	Apical cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Kidney and lung.
Function	disease:Defects in SLC34A1 are the cause of hypophosphatemic nephrolithiasis/ osteoporosis type 1 (NPHLOP1) [MIM:612286]. Hypophosphatemia results from idiopathic renal phosphate loss. It contributes to the pathogenesis of hypophosphatemic urolithiasis (formation of urinary calculi) as well to that of hypophosphatemic osteoporosis (bone demineralization).,function:May be involved in actively transporting phosphate into cells via Na(+) cotransport in the renal brush border membrane. Probably mediates 70-80% of the apical influx., similarity:Belongs to the SLC34A transporter family.,subunit:Interacts via its C-terminal region with PDZK2.,tissue specificity:Kidney and lung.,

**Background**

This gene encodes a member of the type II sodium-phosphate cotransporter family. Mutations in this gene are associated with hypophosphatemia nephrolithiasis/osteoporosis 1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2009],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images