

NaPi-2b Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 251343

Unit: 0.1 mg

Description:

Sodium-dependent phosphate transport protein 2B (NaPi-2b) is involved in actively transporting phosphate into cells via Na⁺ co-transport. NaPi-2b is the main phosphate transport protein in the intestinal brush border membrane, and has a role in the synthesis of surfactant in lungs' alveoli. Defects in NaPi-2b are a cause of pulmonary alveolar microlithiasis, a rare disease characterized by the deposition of calcium phosphate microliths throughout the lungs.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: M, R

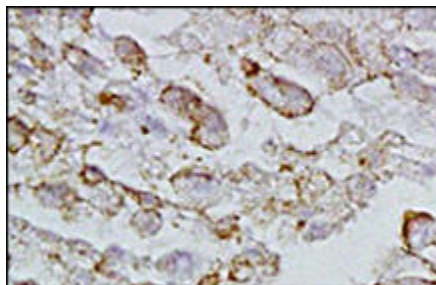
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 25% glycerol, 5 mg/ml BSA with 0.09% sodium azide. Antibody was purified by Protein-A affinity chromatography.

Alternate Names: SLC34A2; NaPi-2b; Sodium-dependent phosphate transport 2B; Sodium-phosphate transport protein 2B; Na(+)-dependent phosphate cotransporter 2B; Sodium/phosphate cotransporter 2B; Na(+)/Pi cotransporter 2B; NaPi3b; Solute carrier family 34 member 2

Accession No.: Q9DBP0

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of mouse NaPi-2b.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500



NaPi-2b staining in rat lung: Formalin-fixed paraffin-embedded rat lung tissue is stained with NaPi-2b Antibody (Cat. No. 251343) used at 1:200 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

Product Citations: Hein L et al. 2012. University of Connecticut. Digital Commons. Honors Scholar Theses. Paper 254. Evidence for PiT-Type (SLC20) and NaPi-II-Type (SLC34) Transporters in the Rat Choroid Plexus.

For research use only, not for diagnostic or therapeutic procedures.