NPT2C Monoclonal Antibody

Catalog No	BYmab-06219
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB
Gene Name	SLC34A3 NPT2C NPTIIC
Protein Name	Sodium-dependent phosphate transport protein 2C (Sodium-phosphate transport protein 2C) (Na(+)-dependent phosphate cotransporter 2C) (Sodium/inorganic phosphate cotransporter IIC) (Sodium/phosphate co
Immunogen	Synthesized peptide derived from human protein . at AA range: 250-330
Specificity	NPT2C Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	65kD
Cell Pathway	Membrane; Multi-pass membrane protein.
Tissue Specificity	Kidney,
Function	disease:Defects in SLC34A3 are the cause of hereditary hypophosphatemic rickets with hypercalciuria (HHRH) [MIM:241530]. HHRH is an autosomal recessive form of hypophosphatemia characterized by reduced renal phosphate reabsorption and rickets. Increased serum levels of 1,25-dihydroxyvitamin D lead to increase in urinary calcium excretion.,function:May be involved in actively transporting phosphate into cells via Na(+) cotransport in the renal brush border membrane. Probably mediates 20-30% of the apical influx.,miscellaneous:A 2:1 stoichiometry to Na(+)/Pi is observed at pH 7.4.,similarity:Belongs to the SLC34A transporter family.,

Background	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],
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.

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