



# NPT2A Monoclonal Antibody

<b>Catalog No</b>	BYmab-06218
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	SLC34A1 NPT2 SLC17A2
<b>Protein Name</b>	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
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 260-340
<b>Specificity</b>	NPT2A Monoclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	70kD
<b>Cell Pathway</b>	Apical cell membrane ; Multi-pass membrane protein .
<b>Tissue Specificity</b>	Kidney and lung.
<b>Function</b>	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.,

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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